VOGL DECKENSYSTEME

General Catalogue

Vogl Deckensysteme

Ceiling Diversity in Form, Colour and Performance

Vogl Deckensysteme GmbH

Industriestrasse 10
DE-91448 Emskirchen

Phone +49 9104 825-0
Fax +49 9104 825-250

info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

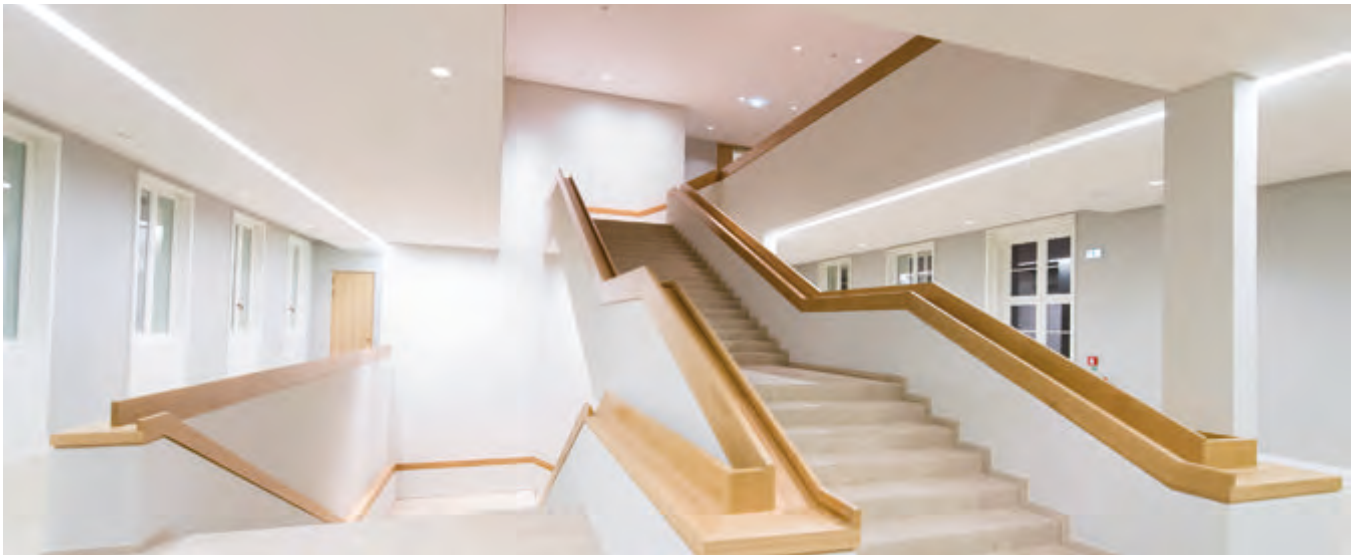
Status: 08/2018

Chapter Overview

Picture Gallery

A picture is worth a thousand words.

Our picture gallery shows you the manifold possible applications of our products. Our ceiling systems, such as acoustic design ceilings, light and climate control ceilings, ceiling tiles or customised moulded elements, to name just a few examples from our comprehensive portfolio, have been used for many years in numerous public, office and administration buildings, schools, theatres, medical facilities, hotels and restaurants, shopping malls, etc. in Germany and abroad.



Find more pictures under:

www.vogl-deckensysteme.de/en/gallery/index.php

Making a Difference
at the Top

Ceiling Diversity in Form, Colour and Performance

Erich R. Vogl

Managing Director
Vogl Deckensysteme GmbH

Dear reader,

I am happy to see you are interested in our company – you will find it worthwhile!

As an owner-run business, Vogl Deckensysteme GmbH is committed to precision and innovation. I have been running the company since 1985 in second generation and I am sure that it is owed, above all, to our origin in tool and machine construction that we were able to gain lots of helpful skills regarding precision production techniques and a consistently high level of product quality. This wealth of experience gives us an inimitable competitive edge. The perfectly crafted design ceiling is our benchmark. Its focus is on quality, fitting accuracy and reliability of application.

Plasterboard ceiling systems, our basic product, are equipped with a variety of functions so as to fulfil all requirements of modern ceiling design – particularly in highly frequented areas. Acoustic, design, climate control and illuminated ceilings are among our core competencies. Customised moulded components are our speciality.

But in spite of all technical orientation, the customer is always at the centre of our activities! Our approach is result- and practice-oriented, and we offer our customers a large portfolio of services. This is not only to save you time by doing many steps of the work for you, but also to achieve together the best possible result in terms of aesthetics and functionality.

We wish you many more successful projects and hope to have a chance to realise them together with you in the future.

Sincerely yours

Erich R. Vogl
Owner and Managing Director

The modern production plant is situated in the Middle-Franconian town of Emskirchen.

The Vogl Competence Centre is well attended. Product training for building material traders, contractors and architects take place there on a regular basis.

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Form

Our ceiling elements come in many shapes, so there are virtually no limits to the freedom of design.

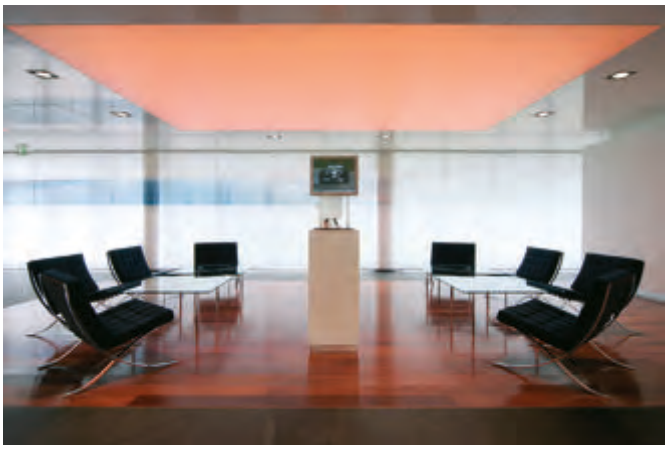
Form

"It is our goal to turn buildings into eye-catchers with our ceiling solutions through **form, colour and performance,** and to enhance their **value durably.**"

Colour

Creative, coloured ceiling design with factory-tinted ceiling elements in a variety of combinations of finishing coat, inner perforation and fleece.

Colour



Performance

Vogl ceiling systems permit manifold additional functions by integrating illumination and technical installations.

Performance

Contractors / installers

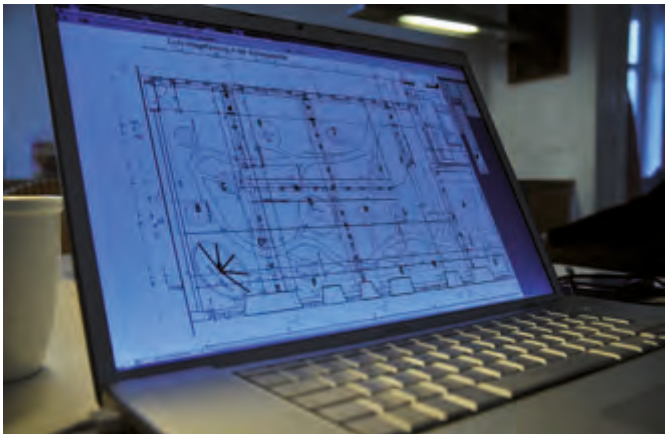
Working overhead is exhausting enough. Therefore, we provide optimum working conditions with well thought-out, practice-oriented products and systems. Our application engineers offer active support in the installation phase of your projects. With additional information and intensive training, we help you achieve more reliable results. We round off our commitment by opening opportunities for new business through intensive project acquisition.

- Practice-oriented products from our in-house manufacture
- Technical support in proper planning and preparation
- Mounting instructions on the job site
- Opening opportunities for new business

Project owners

Vogl ceiling systems provide project owners with aesthetic solutions regarding the interplay of design, light and colours. Besides improved room acoustics, a pleasant room climate can also be achieved by installing climate control ceilings, or air purification through adsorption. This contributes to durably increasing usefulness and real estate value.

- Customised ceiling solutions
- Integration of light and climate
- Top quality
- Assistance to those involved in the project
- Assurance of sustainability



Building material traders

We create demand for sophisticated ceiling solutions and consequently a significant added value for all compared to the common standard. Through consistent market development and joint campaigns, we introduce installers to the trade who work the market in the high-end contract business with our support.

- Comprehensive product portfolio
- Products from in-house manufacture
- Manufacturer with a sense of service
- Short-term availability
- Training for building material dealers' staff and customers
- Joint market development

Architects / designers

To facilitate your work, we offer any conceivable kind of help, starting with the initial consultation by our project consultant on the wide range of services regarding support in the design, tendering and execution process, all the way to the complete ceiling design.

- Devising and implementing design solutions
- Competent replies to inquiries
- Planning support
- Clarification of details, in particular at interfaces with adjacent disciplines
- Tested system solutions
- Specialist installer companies

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Acoustics

Whether seamless acoustic design ceilings with integrated air purification effect or our acoustic plaster system VoglToptec – our ceiling systems, which are tested for harmful substances, serve as sound absorbers in highly frequented zones and thus create an agreeable room atmosphere.

Acoustics

Design

Modern ceiling design focuses on the interplay between form and colour. Whether floating ceiling, 3D element or customised moulded components – Vogl Deckensysteme can also implement your idea, and with a high degree of pre-fabrication into the bargain. The components come disassembled to suit site requirements and are then simply re-assembled at the job site.

Design

Light

The dream of many architects and designers comes true: Light sources and ceilings form an optically inseparable unit. Vogl ceiling systems offer, in addition to stretch ceilings, also individually prefabricated moulded gypsum elements, coved lighting and light channels and the perfectly matching light elements.

Light

Climate

Leading in terms of energy efficiency and performance – conserving energy resources and reducing operating costs should be the objective of sustainable construction. Both aspects can be implemented with the VoglThermotop heating and cooling ceiling system. Compared to conventional air handling systems, operating costs can be reduced by up to 40 per cent.

Climate

Comprehensive support in every phase of the project

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Framework

- Profiles, straight/ curved CD/UD
- Suspended brackets/ connectors for UA/CD, T-profile, clamping profile
- Screws

Acoustic ceilings

- VoglFuge
- Compound seam
- GSG4 joint
- Visible chamfer
- Adhesive seam
- Thermotec panels
- Colour panels
- Acoustic plaster ceilings
- Acoustic floating ceilings

Ceiling tiles

- Exposed grid
- Partially concealed grid
- Concealed grid

Finish

- Acoustic plaster white and tinted
- Ceiling paints white and tinted
- Working equipment
- Tools

Moulded components

- Moulded components
- 3D elements

Cooling and heating ceilings

- System with copper meanders
- Thermal tiles with capillary tubes

Illuminated and stretch ceilings

- Illuminated ceilings with stretched material
- Illuminated ceilings with acrylics
- Illuminated ceilings with glass inlays

Integrated components

- Access panels
- Light modules

Product Range

- Framework
- Acoustic design ceilings
- Cooling and heating ceilings
- Ceiling tiles
- Acoustic plaster ceilings
- Acoustic floating ceilings
- Moulded components
- 3D design
- Integrated ceiling components
- Stretch ceilings
- Working equipment
- Services

Do you have any questions regarding our products, logistics or an offer, or perhaps wish to make a simple enquiry?

We are always glad to assist you! Contact us!

Costing & Quotes

- Phone +49 9104 825-0
- Fax +49 9104 825-250

Logistics & Order Processing

- Phone +49 9104 825-0
- Fax +49 9104 825-250

or by e-mail:
kundencenter@vogl-deckensysteme.de

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

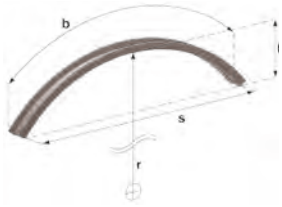
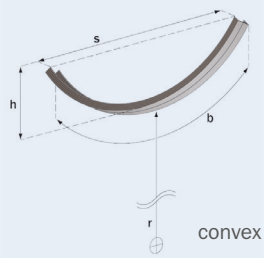
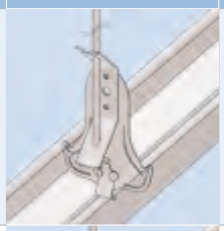
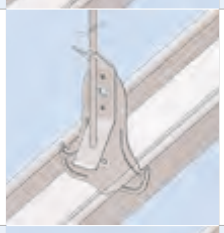
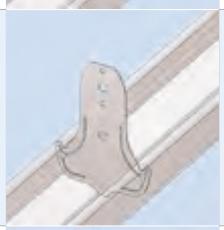
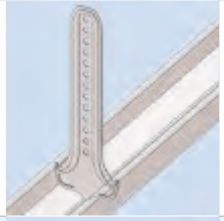
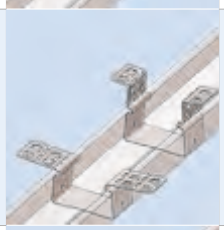
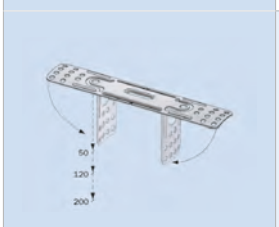
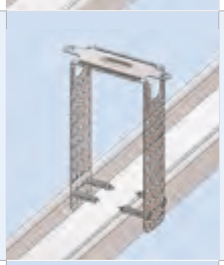
Illustration	Item number	Description	PU PU/large bundle
	PRO-00100	CD profile 60/27/0.6 rK, 1,190 mm	12 pcs. (14.28 m) 180 pcs. (214.20 m)
	PRO-00101	CD profile 60/27/0.6 rK, 2,600 mm	12 pcs. (31.20 m) 180 pcs. (468.00 m)
	PRO-00102	CD profile 60/27/0.6 rK, 3,100 mm	12 pcs. (37.20 m) 180 pcs. (558.00 m)
	PRO-00103	CD profile 60/27/0.6 rK, 3,600 mm	12 pcs. (43.20 m) 180 pcs. (648.00 m)
	PRO-00104	CD profile 60/27/0.6 rK, 4,000 mm	12 pcs. (48.00 m) 180 pcs. (720.00 m)
	PRO-00105	CD profile 60/27/0.6 rK, 4,600 mm	12 pcs. (55.20 m) 180 pcs. (828.00 m)
	PRO-00001	CD profile 60/27/0.6 rK, custom length Manufactured according to EN 14195	
	PRO-00106	UD profile 28/27/0.6, 3,000 mm Wall connection profile for CD profiles	16 pcs. (48.00 m) 288 pcs. (864.00 m)
	PRO-00004 on request	CD profile 60/27/0.6 rK, concave, 4,000 mm | Bend radius min. 500 mm - 4,000 mm CD profile 60/27/0.6 rK, concave, 4,000 mm | Bend radius min. 4,000 mm or special lengths The minimum order quantity per curved radius is 20 linear metres. For production reasons, curved CD profiles come with 150 mm straight sections on each end. Product realisation details: radius (r) + chord (s) or radius (r) + rise (h) or chord (s) + rise (h) or radius (r) + fixed length (b)  concave	
	PRO-00003 on request	CD profile 60/27/0.6 rK, convex, 4,000 mm | Bend radius min. 500 mm - 4,000 mm CD profile 60/27/0.6 rK, convex, 4,000 mm | Bend radius min. 4,000 mm or special lengths The minimum order quantity per curved radius is 20 linear metres. For production reasons, curved CD profiles come with 150 mm straight sections on each end. Product realisation details: radius (r) + chord (s) or radius (r) + rise (h) or chord (s) + rise (h) or radius (r) + fix length (b)  convex	

Illustration	Item number	Description	Application	PU PU/pallet
	101535	Anchor fast suspension with compression spring, CD 60/27 Initial testing according to EN 13964, 0.25 kN		100 pcs./PU 84 PU/pallet
	101539	Anchor fast suspension, CD 60/27 Initial testing according to EN 13964, 0.25 kN		100 pcs./PU 84 PU/pallet
	101541	Anchor suspension, 80 mm, CD 60/27 Initial testing according to EN 13964, 0.25 kN		100 pcs./PU 96 PU/pallet
	101537	Anchor suspension, 170 mm, CD 60/27 Initial testing according to EN 13964, 0.25 kN		100 pcs./PU 144 PU/pallet
	101543	Fastening clip, CD 60/27 Initial testing according to EN 13964, 0.15 kN Tolerance compensation up to 20 mm possible		100 pcs./PU 32 PU/pallet
	101621	Direct mounting clip, CD 60/27 Straps without screws Initial testing according to EN 13964, 0.25 kN Straps with 2 screws LN 3.5 x 9.5 mm Initial testing according to EN 13964, 0.40 kN		100 pcs./PU 84 PU/pallet
	101601 101602 101606	Direct suspended bracket, 50 mm, 4-hole, CD 60/27 Direct suspended bracket, 120 mm, 4-hole, CD 60/27 Direct suspended bracket, 200 mm, 4-hole, CD 60/27 Initial testing according to EN 13964, 0.40 kN Delivery includes unbent product		100 pcs./PU 72 PU/pallet 100 pcs./PU 96 PU/pallet 100 pcs./PU 72 PU/pallet
	101614 101615 101618	Direct suspended bracket, 50 mm, 4-hole, wood 50/30 Direct suspended bracket, 120 mm, 4-hole, wood 50/30 Direct suspended bracket, 200 mm, 4-hole, wood 50/30 Initial testing according to EN 13964, 0.40 kN Delivery includes unbent product		100 pcs./PU 72 PU/pallet 100 pcs./PU 96 PU/pallet 100 pcs./PU 72 PU/pallet

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

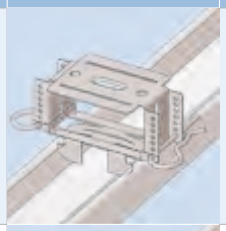
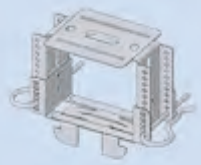
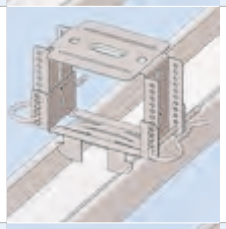
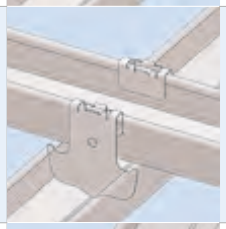
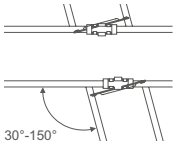
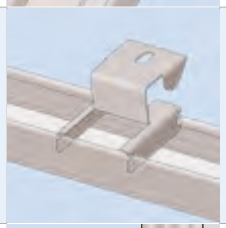
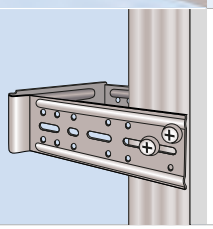
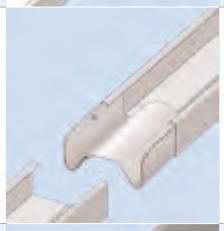
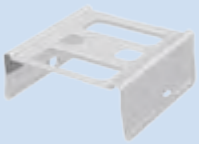
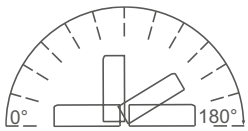
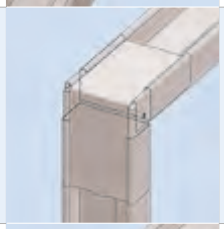
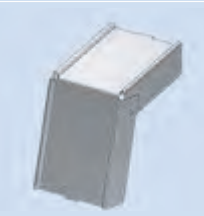
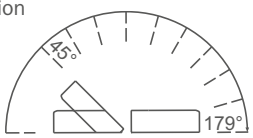
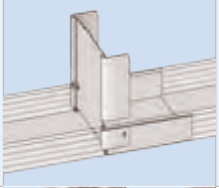
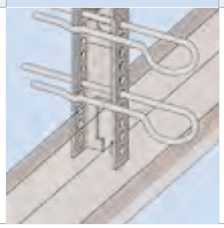
Illustration	Item number	Description	Application	PU PU/pallet
	100923	Direct suspended bracket, adjustment 40 - 70 mm, CD 60/27 Including locking pins Initial testing according to EN 13964, 0.47 kN		50 pcs./PU 66 PU/pallet
	100924	Direct suspended bracket, adjustment 59 - 108 mm, CD 60/27 Including locking pins Initial testing according to EN 13964, 0.58 kN		50 pcs./PU 48 PU/pallet
	101567	Cross connector, CD 60/27 Initial testing according to EN 13964, 0.40 kN Delivery includes unbent product		100 pcs./PU 148 PU/pallet
	101575	UA cross connector, UA 50/CD 60/27 Initial testing according to EN 13964, 0.40 kN Delivery includes unbent product		100 pcs./PU 148 PU/pallet
	101565	Anchor bracket, CD 60/27 Initial testing according to EN 13964, 0.25 kN		100 pcs./PU 96 PU/pallet
	101573	Twisting anchor bracket, CD 60/27 Initial testing according to EN 13964, 0.25 kN  on-site angle adjustment from 30° - 150°		100 pcs./PU 96 PU/pallet
	100912	Support clip, CD 60/27 Clamping width up to 17 mm		50 pcs./PU 136 PU/pallet
	100915 100916 100917 100914	Adjustable vibration bracket, 30 mm, CD 60/27 Adjustable vibration bracket, 45 mm, CD 60/27 Adjustable vibration bracket, 60 mm, CD 60/27 Adjustable vibration bracket, 90 mm, CD 60/27 Application: wall structures		100 pcs./PU 102 PU/pallet 100 pcs./PU 102 PU/pallet 100 pcs./PU 66 PU/pallet 100 pcs./PU 48 PU/pallet

Illustration	Item number	Description	Application	PU PU/pallet
	101589	Universal connector, unbent, CD 60/27 Delivery includes unbent product		100 pcs./PU 84 PU/pallet
	101586	Connector, 80 mm, CD 60/27		100 pcs./PU 32 PU/pallet
	101595	Connector, lengthwise, CD 60/27		100 pcs./PU 48 PU/pallet
	101579	Angled connector, flat, CD 60/27 For on-site angle adjustment 		100 pcs./PU 24 PU/pallet
	101583	Angled connector 90°, CD 60/27 Angle default setting is 90°		100 pcs./PU 24 PU/pallet
	101585	Angled connector 45° - 179°, CD 60/27 Angle default setting according to customer specification 		100 pcs./PU 24 PU/pallet
	101587	Vertical connector, T-connector, CD 60/27 T-connector movable within the CD profile, suitable, for example, for the installation of luminaire boxes		100 pcs./PU 24 PU/pallet
	101504	Locking pin for vernier		100 pcs./PU

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

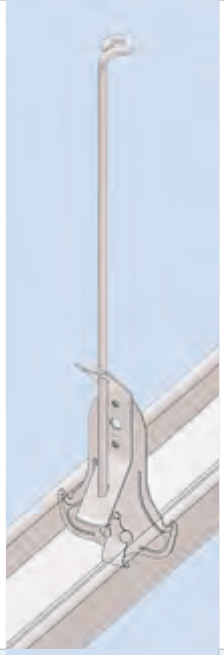
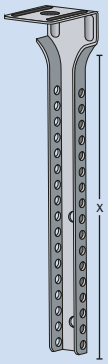
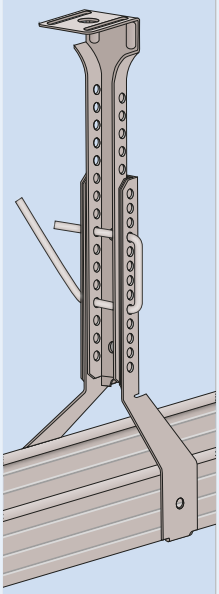
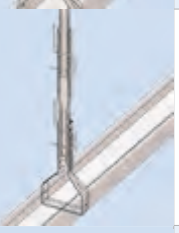
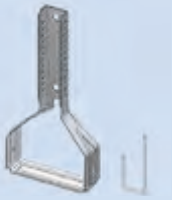
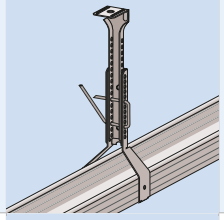
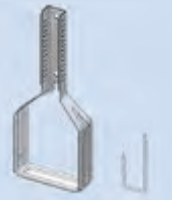
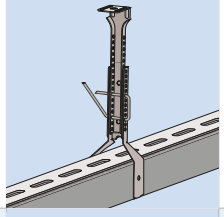
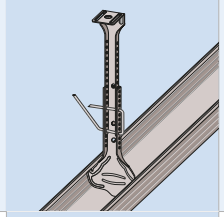
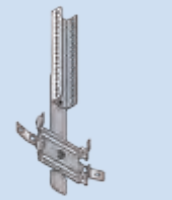
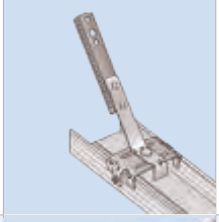
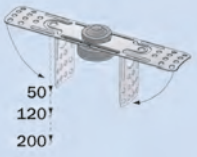
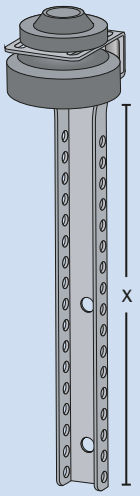
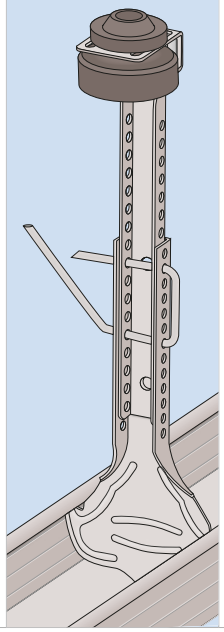
Illustration	Item number	Description	Application	PU PU/pallet
	100981	Vernier security pin Initial testing according to EN 13964, 0.40 kN		100 pcs./PU 576 PU/pallet
	100931 100932 100933 100934 100935 100936 100937 100938 100939 100940 100941 100942	Eyelet wire, 125 mm Eyelet wire, 250 mm Eyelet wire, 375 mm Eyelet wire, 500 mm Eyelet wire, 750 mm Eyelet wire, 1,000 mm Eyelet wire, 1,250 mm Eyelet wire, 1,500 mm Eyelet wire, 1,750 mm Eyelet wire, 2,000 mm Eyelet wire, 2,500 mm Eyelet wire, 3,000 mm Custom lengths on request Eyelet wire according to EN 13964		100 pcs./PU 300 PU/pallet 200 PU/pallet 150 PU/pallet 100 PU/pallet 100 PU/pallet 100 PU/pallet 100 PU/pallet 100 PU/pallet 50 PU/pallet 50 PU/pallet 50 PU/pallet 50 PU/pallet
	101647 101650 101653 101656 101659 101662 101665 101668 101670 101673 101675 101677 101678 101680 101681 101683 101684 101686 101688	Vernier top part, 200 mm, X = 130 Vernier top part, 300 mm, X = 230 Vernier top part, 400 mm, X = 330 Vernier top part, 500 mm, X = 430 Vernier top part, 600 mm, X = 530 Vernier top part, 700 mm, X = 630 Vernier top part, 800 mm, X = 730 Vernier top part, 900 mm, X = 830 Vernier top part, 1,000 mm, X = 930 Vernier top part, 1,100 mm, X = 1,030 Vernier top part, 1,200 mm, X = 1,130 Vernier top part, 1,300 mm, X = 1,230 Vernier top part, 1,400 mm, X = 1,330 Vernier top part, 1,500 mm, X = 1,430 Vernier top part, 1,600 mm, X = 1,530 Vernier top part, 1,700 mm, X = 1,630 Vernier top part, 1,800 mm, X = 1,730 Vernier top part, 1,900 mm, X = 1,830 Vernier top part, 2,000 mm, X = 1,930 Custom lengths on request Initial testing according to EN 13964, 0.40 kN continuous perforation		100 pcs./PU 240 PU/pallet 120 PU/pallet 100 PU/pallet 80 PU/pallet 60 PU/pallet 50 PU/pallet 40 PU/pallet 30 PU/pallet 30 PU/pallet 25 pcs./PU 25 pcs./PU 25 pcs./PU 25 pcs./PU 25 pcs./PU 25 pcs./PU 25 pcs./PU 25 pcs./PU 25 pcs./PU 25 pcs./PU Pallet units on request from 25 pcs./PU
	101646	Vernier connector, 90 mm Initial testing according to EN 13964, 0.40 kN		100 pcs./PU 96 PU/pallet

Illustration	Item number	Description	Application	PU PU/pallet
	100980	Vernier rod, 3,000 mm Initial testing according to EN 13964, 0.40 kN		25 pcs./PU
	100977	Vernier coupling Extension max. 170 mm		100 pcs./PU
	101549 101553	Vernier hanger, CD 60/27 Initial testing according to EN 13964, 0.40 kN Vernier hanger, CD 60/27, incl. security pin Initial testing according to EN 13964, 0.40 kN		100 pcs./PU 32 PU/pallet 100 pcs./PU 32 PU/pallet
	101557 101560	Vernier hanger, UA 50 Initial testing according to EN 13964, 0.40 kN Vernier hanger, UA 50, incl. security pin Initial testing according to EN 13964, 0.40 kN		100 pcs./PU 32 PU/pallet 100 pcs./PU 32 PU/pallet
	101588	Vernier bottom part, CD 60/27 Initial testing according to EN 13964, 0.25 kN		100 pcs./PU 108 PU/pallet
	101625	Vernier bottom part, diagonal pull, rotating, CD 60/27 Initial testing according to EN 13964, 0.25 kN Excellently suited for multiple diagonal suspension, e.g. in staircases, fully rotating (Due to diagonal suspension, always use tapping screws LN 9.5 for fixing)		100 pcs./PU 32 PU/pallet
	101623	Direct mounting vibration clip, 4 mm, CD 60/27 Straps without screws Initial testing according to EN 13964, 0.25 kN Straps with 2 screws LN 3.5 x 9.5 mm Initial testing according to EN 13964, 0.40 kN		100 pcs./PU 32 PU/pallet
	101612 100919 100921	Direct vibration hanger, 50 mm, 4-hole, CD 60/27 Direct vibration hanger, 120 mm, 4-hole, CD 60/27 Direct vibration hanger, 200 mm, 4-hole, CD 60/27 Initial testing according to EN 13964, 0.40 kN Delivery includes unbent product		100 pcs./PU 24 PU/pallet 100 pcs./PU 32 PU/pallet 100 pcs./PU 15 PU/pallet

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Illustration	Item number	Description	Application	PU PU/pallet
	101628 101630 101632 101634 101636 101638	Eyelet wire, 125 mm Eyelet wire, 250 mm Eyelet wire, 375 mm Eyelet wire, 500 mm Eyelet wire, 750 mm Eyelet wire, 1,000 mm Custom lengths on request Eyelet wire according to EN 13964 with vibration element 4 mm		100 pcs./PU 180 PU/pallet 96 PU/pallet 42 PU/pallet 28 PU/pallet 24 PU/pallet 24 PU/pallet
	101648 101651 101654 101657 101660 101663 101666 101804 101671	Vernier top part, 200 mm, X = 130 Vernier top part, 300 mm, X = 230 Vernier top part, 400 mm, X = 330 Vernier top part, 500 mm, X = 430 Vernier top part, 600 mm, X = 530 Vernier top part, 700 mm, X = 630 Vernier top part, 800 mm, X = 730 Vernier top part, 900 mm, X = 830 Vernier top part, 1,000 mm, X = 930 Custom lengths on request Initial testing according to EN 13964, 0.40 kN continuous perforation with vibration element 4 mm		100 pcs./PU 36 PU/pallet 36 PU/pallet 36 PU/pallet 24 PU/pallet 24 PU/pallet 24 PU/pallet 18 PU/pallet 18 PU/pallet 18 PU/pallet

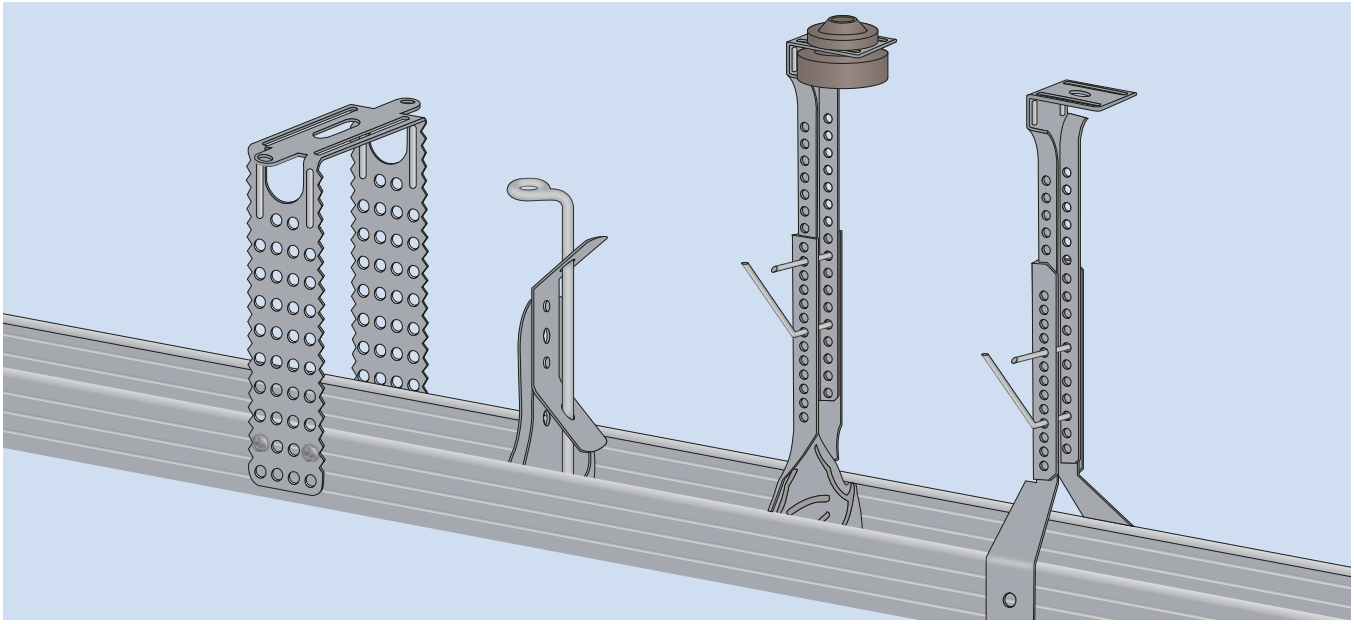
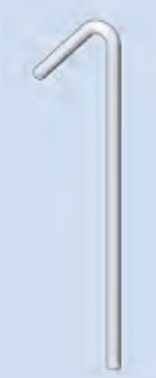
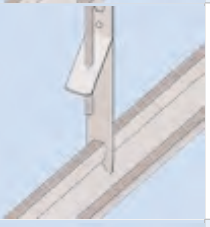


Illustration	Item number	Description	Application	PU PU/pallet
	100944 100945 100946 100947 100948 100949 100950 101809 100952 100954 100955 100956	Hooked wire, 125 mm Hooked wire, 250 mm Hooked wire, 375 mm Hooked wire, 500 mm Hooked wire, 750 mm Hooked wire, 1,000 mm Hooked wire, 1,250 mm Hooked wire, 1,500 mm Hooked wire, 1,750 mm Hooked wire, 2,000 mm Hooked wire, 2,500 mm Hooked wire, 3,000 mm Custom lengths on request Hooked wire according to EN 13964		100 pcs./PU 300 PU/pallet 200 PU/pallet 150 PU/pallet 100 PU/pallet 100 PU/pallet 100 PU/pallet 100 PU/pallet 100 PU/pallet 50 PU/pallet 50 PU/pallet 50 PU/pallet 50 PU/pallet
	100960	Double spring clip, equilateral		100 pcs./PU 105 PU/pallet
	100961 100962 100963 101810	Easy-span hanger, hooked wire/hooked wire Easy-span hanger, HH, ~ 200 - 300 mm Easy-span hanger, HH, ~ 300 - 600 mm Easy-span hanger, HH, ~ 500 - 1,000 mm Easy-span hanger, HH, ~ 1,000 - 2,000 mm		100 pcs./PU 50 PU/pallet 30 PU/pallet 20 PU/pallet 20 PU/pallet
	100965 100966 100967 100968	Easy-span hanger, hooked wire/eyelet wire Easy-span hanger, HE, ~ 200 - 300 mm Easy-span hanger, HE, ~ 300 - 600 mm Easy-span hanger, HE, ~ 500 - 1,000 mm Easy-span hanger, HE, ~ 1,000 - 2,000 mm		100 pcs./PU 50 PU/pallet 30 PU/pallet 20 PU/pallet 10 PU/pallet
	100958 100959	Hooked wire with double spring clip, 125 mm, bottom part U-1 Hooked wire with double spring clip, 250 mm, bottom part U-2		100 pcs./PU 96 PU/pallet 100 pcs./PU 50 PU/pallet
	100926	Quick hanger for T-profile Initial testing according to EN 13964, 0.25 kN		100 pcs./PU 84 PU/pallet
	100927	Quick hanger for T-profile, Klick Fix II with mounted safety plate Initial testing according to EN 13964, 0.32 kN		100 pcs./PU 170 PU/pallet

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

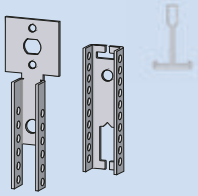
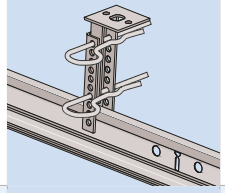
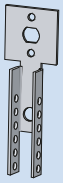
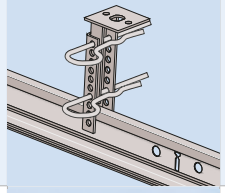
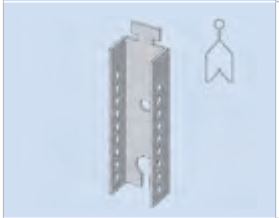
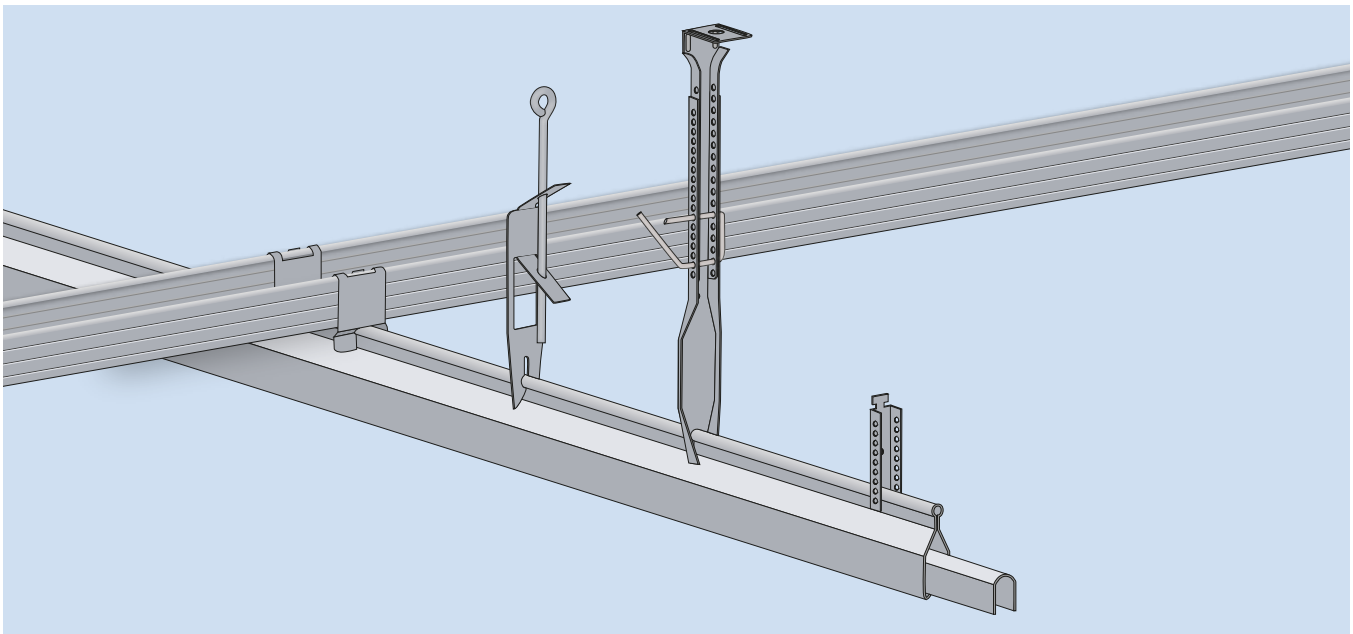
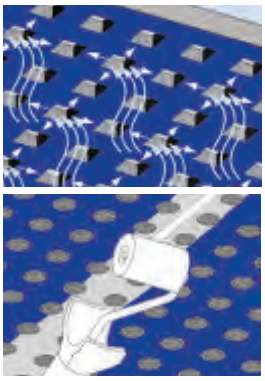
Illustration	Item number	Description	Application	PU PU/pallet
	100975	Vernier suspended bracket, bottom part for T-profile Initial testing according to EN 13964, 0.42 kN		100 pcs./PU 220 PU/pallet
	100969 100970 100971	Vernier short hanger, set 40 - 80 mm for T-profile and double-T-profile Vernier short hanger, set 60 - 100 mm for T-profile and double-T-profile Vernier short hanger, set 80 - 120 mm for T-profile and double-T-profile		100 pcs./PU 220 PU/pallet 100 pcs./PU 220 PU/pallet 100 pcs./PU 220 PU/pallet
	100972 100973 100974	Vernier short hanger, top part 47 mm Vernier short hanger, top part 72 mm Vernier short hanger, top part 100 mm Initial testing according to EN 13964, 0.40 kN		100 pcs./PU 100 pcs./PU 100 pcs./PU
	100978	Vernier short hanger, bottom part for T-profile and double-T-profile		100 pcs./PU

Illustration	Item number	Description	Application	PU PU/pallet
	101620	Connector, CD 60/27, clamping profile Initial testing according to EN 13964, 0.57 kN		100 pcs./PU 96 PU/pallet
	101808	Quick hanger for clamping profile Initial testing according to EN 13964, 0.25 kN		100 pcs./PU 170 PU/pallet
	100976	Vernier suspended bracket, bottom part for clamping profile		100 pcs./PU 220 PU/pallet
	100979	Vernier short hanger, bottom part, clamping profile Initial testing according to EN 13964, 0.38 kN		100 pcs./PU 220 PU/pallet
	100929	Connector, longitudinal, clamping profile		100 pcs./PU 96 PU/pallet



Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Illustration	Item number	Description	Dimensions	PU PU/pallet
	100990	Wafer head screw FN 35 with needle point To connect hangers to wooden elements	5.1 x 35 mm	100 pcs./PU
	100991 100992	Drywall screw SBS TN 25 with countersunk head and needle point Drywall screw SBS TN 35 with countersunk head and needle point To mount plasterboards to metal framework (up to max. 0.7 mm without pre-drilling)	3.5 x 25 mm 3.5 x 35 mm	1,000 pcs./PU 540 PU/pallet 1,000 pcs./PU 438 PU/pallet
	100993	Drywall screw SBS TB 35 with countersunk head and drill bit To mount plasterboards to metal framework from 0.7 mm to 2.25 mm sheet metal thickness	3.5 x 35 mm	1,000 pcs./PU 438 PU/pallet
	100994	LN 9.5 tapping screw with needle point To fasten suspended brackets and sheet steel profiles up to max. 0.7 mm sheet thickness	3.5 x 9.5 mm	1,000 pcs./PU 612 PU/pallet
	100995 102918	Perforated panel screw SN 30 with needle point Phosphated special screw with pressed-on small countersunk head (cross slot PH2) Perforated panel screw SN 30, on tape for use with autofeed screwdrivers	3.5 x 30 mm 3.5 x 30 mm	1,000 pcs./PU 468 PU/pallet 1,000 pcs./PU 240 PU/pallet
	100996	Perforated panel screw SN 40 with needle point Phosphated special screw with pressed-on small countersunk head (cross slot PH2)	3.5 x 40 mm	1,000 pcs./PU
	101705	Perforated panel screw TTP PLUS, TB 23 with countersunk head and drill bit Corrosion-resistant special screw with countersunk head (cross slot PH2) Recommended for VoglThermotec panels PLUS (containing graphite)	3.5 x 23 mm	1,000 pcs./PU
	101801	Perforated panel screw TTP PLUS, SN 35 with needle point Corrosion-resistant special screw with cutting ring head (cross slot PH2) Recommended for VoglThermotec panels PLUS (containing graphite)	3.5 x 35 mm	1,000 pcs./PU



Vogl acoustic design ceilings of VoglFuge system are perforated ceiling panels with high acoustic performance and air purification effect (adsorption).

Black or white acoustic fleece backing (other fleece colours on request), four-side sharp-edged with undercut for installation using the quickest and most secure "edge-to-edge" laying principle.

Other available options: Acoustic design panels with non-perforated edges, block perforation, applications, manufacture in accordance with customer designs and ceiling plans.

Delivery includes VoglFuge System Kit (incl. perforated panel screws SN 3.5 x 30).

with air purification effect as a standard feature

Based on standard: EN 14190 "Gypsum plasterboard products from reprocessing"
Fire rating: A2-s1, d0 (non-flammable) according to EN 13501-1
Long edge: SK (sharp-edged)
Short edge: SK (sharp-edged)

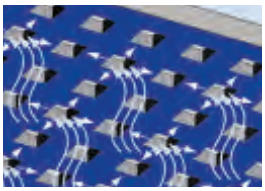
EMISSION CLASS FOR BUILDING MATERIAL M1

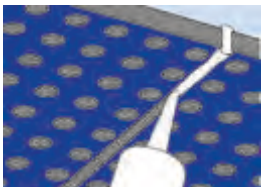
tested for contaminants LGA

Illustration	Item number	Description	Details	m²/pallet Pcs./pallet
	LP-00256 LP-00258	Acoustic Design Panel VF 6/18R Acoustic fleece, black Acoustic Design Panel VF 6/18R Acoustic fleece, white	1,188 x 1,998 x 12.5 mm Perforated area: 8.7 % Mass: 9.1 kg/m²	59.3 m² 25 pieces
	LP-00262 LP-00264	Acoustic Design Panel VF 8/18R Acoustic fleece, black Acoustic Design Panel VF 8/18R Acoustic fleece, white	1,188 x 1,998 x 12.5 mm Perforated area: 15.5 % Mass: 8.5 kg/m²	59.3 m² 25 pieces
	LP-00268 LP-00270	Acoustic Design Panel VF 10/23R Acoustic fleece, black Acoustic Design Panel VF 10/23R Acoustic fleece, white	1,196 x 2,001 x 12.5 mm Perforated area: 14.8 % Mass: 8.5 kg/m²	59.8 m² 25 pieces
	LP-00274 LP-00276	Acoustic Design Panel VF 12/25R Acoustic fleece, black Acoustic Design Panel VF 12/25R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 18.1 % Mass: 8.2 kg/m²	60.0 m² 25 pieces
	LP-00280 LP-00282	Acoustic Design Panel VF 15/30R Acoustic fleece, black Acoustic Design Panel VF 15/30R Acoustic fleece, white	1,200 x 1,980 x 12.5 mm Perforated area: 19.6 % Mass: 8.0 kg/m²	59.4 m² 25 pieces
	LP-00286 LP-00288	Acoustic Design Panel VF 8/12/50R Acoustic fleece, black Acoustic Design Panel VF 8/12/50R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 13.1 % Mass: 8.7 kg/m²	60.0 m² 25 pieces
	LP-00292 LP-00294	Acoustic Design Panel VF 12/20/66R Acoustic fleece, black Acoustic Design Panel VF 12/20/66R Acoustic fleece, white	1,188 x 1,980 x 12.5 mm Perforated area: 19.6 % Mass: 8.0 kg/m²	58.8 m² 25 pieces
	LP-00298 LP-00300	Acoustic Design Panel VF 8/18Q Acoustic fleece, black Acoustic Design Panel VF 8/18Q Acoustic fleece, white	1,188 x 1,998 x 12.5 mm Perforated area: 19.8 % Mass: 8.0 kg/m²	59.3 m² 25 pieces
	LP-00304 LP-00306	Acoustic Design Panel VF 12/25Q Acoustic fleece, black Acoustic Design Panel VF 12/25Q Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 23.0 % Mass: 7.7 kg/m²	60.0 m² 25 pieces
	LP-00310 LP-00312	Acoustic Design Panel VF 8/15/20R Acoustic fleece, black Acoustic Design Panel VF 8/15/20R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 9.5 % Mass: 9.1 kg/m²	60.0 m² * 25 pieces
	LP-00316 LP-00318	Acoustic Design Panel VF 12/20/35R Acoustic fleece, black Acoustic Design Panel VF 12/20/35R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 11.0 % Mass: 8.9 kg/m²	60.0 m² * 25 pieces

*Note: Despite being perforated irregularly, random perforation panels still yield a certain linear layout as the abutting panel edges must be non-perforated in any case. This is unavoidable and independent of the workmanship of the specialist contractor.

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com





Vogl acoustic design panels of the Compound Seam system are perforated ceiling panels with high acoustic performance and air purification effect (adsorption).

Black or white acoustic fleece backing (other fleece colours on request).

Other available options: Acoustic design panels with non-perforated edges, block perforation, applications, manufacture in accordance with customer designs and ceiling plans.

Based on standard: EN 14190 "Gypsum plasterboard products from reprocessing"
Fire rating: A2-s1, d0 (non-flammable) according to EN 13501-1
Long edge: SK (sharp-edged)
Short edge: SK (sharp-edged)

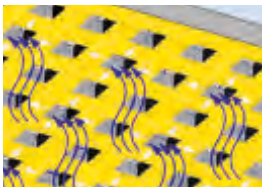
with air purification effect as a standard feature

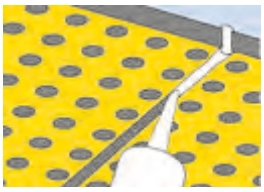
EMISSION CLASS FOR BUILDING MATERIAL M1

tested for contaminants LGA

Illustration	Item number	Description	Details	m²/pallet Pcs./pallet
	LP-00324 LP-00326	Acoustic Design Panel SF 6/18R Acoustic fleece, black Acoustic Design Panel SF 6/18R Acoustic fleece, white	1,188 x 1,998 x 12.5 mm Perforated area: 8.7 % Mass: 9.1 kg/m²	59.3 m² 25 pieces
	LP-00330 LP-00332	Acoustic Design Panel SF 8/18R Acoustic fleece, black Acoustic Design Panel SF 8/18R Acoustic fleece, white	1,188 x 1,998 x 12.5 mm Perforated area: 15.5 % Mass: 8.5 kg/m²	59.3 m² 25 pieces
	LP-00336 LP-00338	Acoustic Design Panel SF 10/23R Acoustic fleece, black Acoustic Design Panel SF 10/23R Acoustic fleece, white	1,196 x 2,001 x 12.5 mm Perforated area: 14.8 % Mass: 8.5 kg/m²	59.8 m² 25 pieces
	LP-00342 LP-00344	Acoustic Design Panel SF 12/25R Acoustic fleece, black Acoustic Design Panel SF 12/25R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 18.1 % Mass: 8.2 kg/m²	60.0 m² 25 pieces
	LP-00348 LP-00350	Acoustic Design Panel SF 15/30R Acoustic fleece, black Acoustic Design Panel SF 15/30R Acoustic fleece, white	1,200 x 1,980 x 12.5 mm Perforated area: 19.6 % Mass: 8.0 kg/m²	59.4 m² 25 pieces
	LP-00353 LP-00355	Acoustic Design Panel SF 8/12/50R Acoustic fleece, black Acoustic Design Panel SF 8/12/50R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 13.1 % Mass: 8.7 kg/m²	60.0 m² 25 pieces
	LP-00359 LP-00361	Acoustic Design Panel SF 12/20/66R Acoustic fleece, black Acoustic Design Panel SF 12/20/66R Acoustic fleece, white	1,188 x 1,980 x 12.5 mm Perforated area: 19.6 % Mass: 8.0 kg/m²	58.8 m² 25 pieces
	LP-00365 LP-00367	Acoustic Design Panel SF 8/18Q Acoustic fleece, black Acoustic Design Panel SF 8/18Q Acoustic fleece, white	1,188 x 1,998 x 12.5 mm Perforated area: 19.8 % Mass: 8.0 kg/m²	59.3 m² 25 pieces
	LP-00371 LP-00373	Acoustic Design Panel SF 12/25Q Acoustic fleece, black Acoustic Design Panel SF 12/25Q Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 23.0 % Mass: 7.7 kg/m²	60.0 m² 25 pieces
	LP-00377 LP-00379	Acoustic Design Panel SF 8/15/20R Acoustic fleece, black Acoustic Design Panel SF 8/15/20R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 9.5 % Mass: 9.1 kg/m²	60.0 m² * 25 pieces
	LP-00383 LP-00385	Acoustic Design Panel SF 12/20/35R Acoustic fleece, black Acoustic Design Panel SF 12/20/35R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 11.0 % Mass: 8.9 kg/m²	60.0 m² * 25 pieces

*Note: Despite being perforated irregularly, random perforation panels still yield a certain linear layout as the abutting panel edges must be non-perforated in any case. This is unavoidable and independent of the workmanship of the specialist contractor.



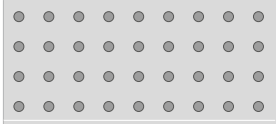
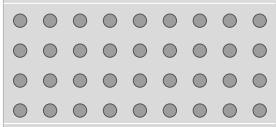
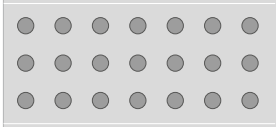
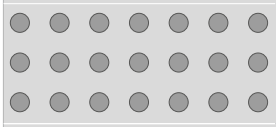
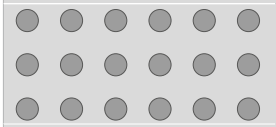
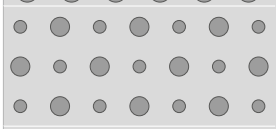
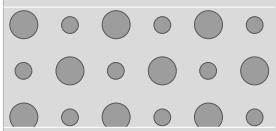
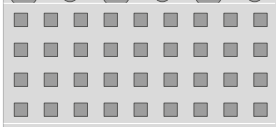
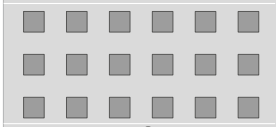
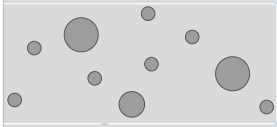
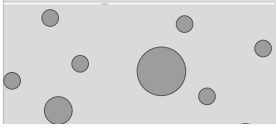


Vogl acoustic design panels of the Compound Seam system are perforated ceiling panels with high acoustic performance, air purification effect (adsorption) and additional waterproofing.

Black or white acoustic fleece backing (other fleece colours on request).

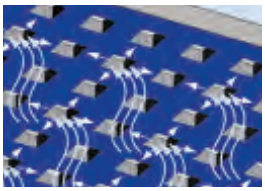
Other available options: Acoustic design panels with non-perforated edges, block perforation, applications, manufacture in accordance with customer designs and ceiling plans.

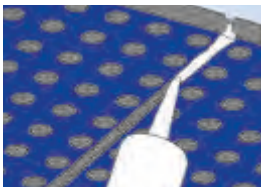
Based on standard: EN 14190 "Gypsum plasterboard products from reprocessing"
Fire rating: A2-s1, d0 (non-flammable) according to EN 13501-1
Long edge: SK (sharp-edged)
Short edge: SK (sharp-edged)
Additional function: waterproofed

Illustration	Item number	Description	Details	m²/pallet Pcs./pallet
	LP-00787 LP-00788	Acoustic Design Panel Hydro SF 6/18R Acoustic fleece, black Acoustic Design Panel Hydro SF 6/18R Acoustic fleece, white	1,188 x 1,998 x 12.5 mm Perforated area: 8.7 % Mass: 9.1 kg/m²	59.3 m² 25 pieces
	LP-00790 LP-00791	Acoustic Design Panel Hydro SF 8/18R Acoustic fleece, black Acoustic Design Panel Hydro SF 8/18R Acoustic fleece, white	1,188 x 1,998 x 12.5 mm Perforated area: 15.5 % Mass: 8.5 kg/m²	59.3 m² 25 pieces
	LP-00793 LP-00794	Acoustic Design Panel Hydro SF 10/23R Acoustic fleece, black Acoustic Design Panel Hydro SF 10/23R Acoustic fleece, white	1,196 x 2,001 x 12.5 mm Perforated area: 14.8 % Mass: 8.5 kg/m²	59.8 m² 25 pieces
	LP-00796 LP-00797	Acoustic Design Panel Hydro SF 12/25R Acoustic fleece, black Acoustic Design Panel Hydro SF 12/25R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 18.1 % Mass: 8.2 kg/m²	60.0 m² 25 pieces
	LP-00799 LP-00800	Acoustic Design Panel Hydro SF 15/30R Acoustic fleece, black Acoustic Design Panel Hydro SF 15/30R Acoustic fleece, white	1,200 x 1,980 x 12.5 mm Perforated area: 19.6 % Mass: 8.0 kg/m²	59.4 m² 25 pieces
	LP-00802 LP-00803	Acoustic Design Panel Hydro SF 8/12/50R Acoustic fleece, black Acoustic Design Panel Hydro SF 8/12/50R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 13.1 % Mass: 8.7 kg/m²	60.0 m² 25 pieces
	LP-00805 LP-00806	Acoustic Design Panel Hydro SF 12/20/66R Acoustic fleece, black Acoustic Design Panel Hydro SF 12/20/66R Acoustic fleece, white	1,188 x 1,980 x 12.5 mm Perforated area: 19.6 % Mass: 8.0 kg/m²	58.8 m² 25 pieces
	LP-00808 LP-00809	Acoustic Design Panel Hydro SF 8/18Q Acoustic fleece, black Acoustic Design Panel Hydro SF 8/18Q Acoustic fleece, white	1,188 x 1,998 x 12.5 mm Perforated area: 19.8 % Mass: 8.0 kg/m²	59.3 m² 25 pieces
	LP-00811 LP-00812	Acoustic Design Panel Hydro SF 12/25Q Acoustic fleece, black Acoustic Design Panel Hydro SF 12/25Q Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 23.0 % Mass: 7.7 kg/m²	60.0 m² 25 pieces
	LP-00814 LP-00815	Acoustic Design Panel Hydro SF 8/15/20R Acoustic fleece, black Acoustic Design Panel Hydro SF 8/15/20R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 9.5 % Mass: 9.1 kg/m²	60.0 m² 25 pieces
	LP-00817 LP-00818	Acoustic Design Panel Hydro SF 12/20/35R Acoustic fleece, black Acoustic Design Panel Hydro SF 12/20/35R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 11.0 % Mass: 8.9 kg/m²	60.0 m² 25 pieces

*Note: Despite being perforated irregularly, random perforation panels still yield a certain linear layout as the abutting panel edges must be non-perforated in any case. This is unavoidable and independent of the workmanship of the specialist contractor.

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com





Vogl acoustic design panels of the GSG4 system are perforated ceiling panels with high acoustic performance and air purification effect (adsorption).

Black or white acoustic fleece backing (other fleece colours on request).

Other available options: Acoustic design panels with non-perforated edges, block perforation, applications, manufacture in accordance with customer designs and ceiling plans.

Based on standard: EN 14190 "Gypsum plasterboard products from reprocessing"
Fire rating: A2-s1, d0 (non-flammable) according to EN 13501-1
Long edge: GSG4 edge
Short edge: GSG4 edge

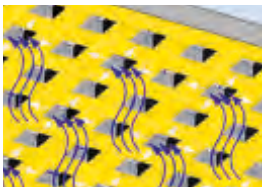
with air purification effect as a standard feature

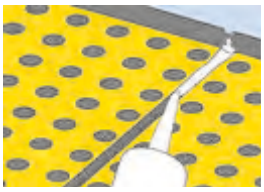
EMISSION CLASS FOR BUILDING MATERIAL M1

tested for contaminants LGA

Illustration	Item number	Description	Details	m²/pallet Pcs./pallet
	LP-00390 LP-00391	Acoustic Design Panel GSG4 6/18R Acoustic fleece, black Acoustic Design Panel GSG4 6/18R Acoustic fleece, white	1,188 x 1,998 x 12.5 mm Perforated area: 8.7 % Mass: 9.1 kg/m²	59.3 m² 25 pieces
	LP-00393 LP-00394	Acoustic Design Panel GSG4 8/18R Acoustic fleece, black Acoustic Design Panel GSG4 8/18R Acoustic fleece, white	1,188 x 1,998 x 12.5 mm Perforated area: 15.5 % Mass: 8.5 kg/m²	59.3 m² 25 pieces
	LP-00396 LP-00397	Acoustic Design Panel GSG4 10/23R Acoustic fleece, black Acoustic Design Panel GSG4 10/23R Acoustic fleece, white	1,196 x 2,001 x 12.5 mm Perforated area: 14.8 % Mass: 8.5 kg/m²	59.8 m² 25 pieces
	LP-00399 LP-00400	Acoustic Design Panel GSG4 12/25R Acoustic fleece, black Acoustic Design Panel GSG4 12/25R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 18.1 % Mass: 8.2 kg/m²	60.0 m² 25 pieces
	LP-00402 LP-00403	Acoustic Design Panel GSG4 15/30R Acoustic fleece, black Acoustic Design Panel GSG4 15/30R Acoustic fleece, white	1,200 x 1,980 x 12.5 mm Perforated area: 19.6 % Mass: 8.0 kg/m²	59.4 m² 25 pieces
	LP-00405 LP-00406	Acoustic Design Panel GSG4 8/12/50R Acoustic fleece, black Acoustic Design Panel GSG4 8/12/50R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 13.1 % Mass: 8.7 kg/m²	60.0 m² 25 pieces
	LP-00408 LP-00409	Acoustic Design Panel GSG4 12/20/66R Acoustic fleece, black Acoustic Design Panel GSG4 12/20/66R Acoustic fleece, white	1,188 x 1,980 x 12.5 mm Perforated area: 19.6 % Mass: 8.0 kg/m²	58.8 m² 25 pieces
	LP-00411 LP-00412	Acoustic Design Panel GSG4 8/18Q Acoustic fleece, black Acoustic Design Panel GSG4 8/18Q Acoustic fleece, white	1,188 x 1,998 x 12.5 mm Perforated area: 19.8 % Mass: 8.0 kg/m²	59.3 m² 25 pieces
	LP-00414 LP-00415	Acoustic Design Panel GSG4 12/25Q Acoustic fleece, black Acoustic Design Panel GSG4 12/25Q Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 23.0 % Mass: 7.7 kg/m²	60.0 m² 25 pieces
	LP-00417 LP-00418	Acoustic Design Panel GSG4 8/15/20R Acoustic fleece, black Acoustic Design Panel GSG4 8/15/20R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 9.5 % Mass: 9.1 kg/m²	60.0 m² * 25 pieces
	LP-00420 LP-00421	Acoustic Design Panel GSG4 12/20/35R Acoustic fleece, black Acoustic Design Panel GSG4 12/20/35R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 11.0 % Mass: 8.9 kg/m²	60.0 m² * 25 pieces

*Note: Despite being perforated irregularly, random perforation panels still yield a certain linear layout as the abutting panel edges must be non-perforated in any case. This is unavoidable and independent of the workmanship of the specialist contractor.



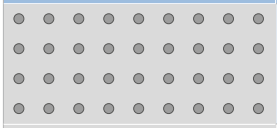
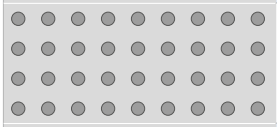
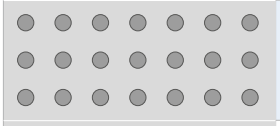
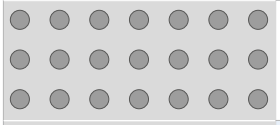
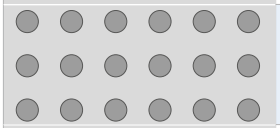
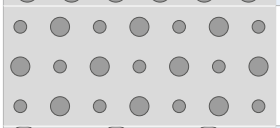
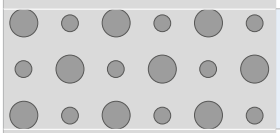
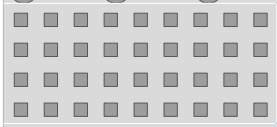
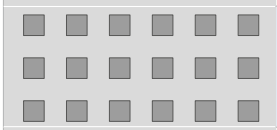
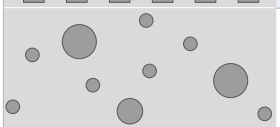


Vogl acoustic design panels of the GSG4 system are perforated ceiling panels with high acoustic performance, air purification effect (adsorption) and additional waterproofing.

Black or white acoustic fleece backing (other fleece colours on request).

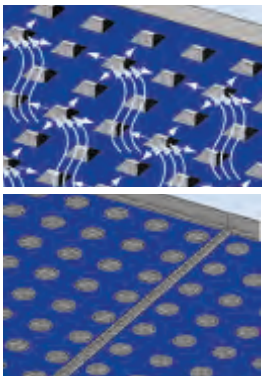
Other available options: Acoustic design panels with non-perforated edges, block perforation, applications, manufacture in accordance with customer designs and ceiling plans.

Based on standard: EN 14190 "Gypsum plasterboard products from reprocessing"
Fire rating: A2-s1, d0 (non-flammable) according to EN 13501-1
Long edge: GSG4 edge
Short edge: GSG4 edge
Additional function: waterproofed

Illustration	Item number	Description	Details	m² /pallet Pcs./pallet
	LP-00820 LP-00821	Acoustic Design Panel Hydro GSG4 6/18R Acoustic fleece, black Acoustic Design Panel Hydro GSG4 6/18R Acoustic fleece, white	1,188 x 1,998 x 12.5 mm Perforated area: 8.7 % Mass: 9.1 kg/m²	59.3 m² 25 pieces
	LP-00823 LP-00824	Acoustic Design Panel Hydro GSG4 8/18R Acoustic fleece, black Acoustic Design Panel Hydro GSG4 8/18R Acoustic fleece, white	1,188 x 1,998 x 12.5 mm Perforated area: 15.5 % Mass: 8.5 kg/m²	59.3 m² 25 pieces
	LP-00826 LP-00827	Acoustic Design Panel Hydro GSG4 10/23R Acoustic fleece, black Acoustic Design Panel Hydro GSG4 10/23R Acoustic fleece, white	1,196 x 2,001 x 12.5 mm Perforated area: 14.8 % Mass: 8.5 kg/m²	59.8 m² 25 pieces
	LP-00829 LP-00830	Acoustic Design Panel Hydro GSG4 12/25R Acoustic fleece, black Acoustic Design Panel Hydro GSG4 12/25R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 18.1 % Mass: 8.2 kg/m²	60.0 m² 25 pieces
	LP-00832 LP-00833	Acoustic Design Panel Hydro GSG4 15/30R Acoustic fleece, black Acoustic Design Panel Hydro GSG4 15/30R Acoustic fleece, white	1,200 x 1,980 x 12.5 mm Perforated area: 19.6 % Mass: 8.0 kg/m²	59.4 m² 25 pieces
	LP-00835 LP-00836	Acoustic Design Panel Hydro GSG4 8/12/50R Acoustic fleece, black Acoustic Design Panel Hydro GSG4 8/12/50R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 13.1 % Mass: 8.7 kg/m²	60.0 m² 25 pieces
	LP-00838 LP-00839	Acoustic Design Panel Hydro GSG4 12/20/66R Acoustic fleece, black Acoustic Design Panel Hydro GSG4 12/20/66R Acoustic fleece, white	1,188 x 1,980 x 12.5 mm Perforated area: 19.6 % Mass: 8.0 kg/m²	58.8 m² 25 pieces
	LP-00841 LP-00842	Acoustic Design Panel Hydro GSG4 8/18Q Acoustic fleece, black Acoustic Design Panel Hydro GSG4 8/18Q Acoustic fleece, white	1,188 x 1,998 x 12.5 mm Perforated area: 19.8 % Mass: 8.0 kg/m²	59.3 m² 25 pieces
	LP-00844 LP-00845	Acoustic Design Panel Hydro GSG4 12/25Q Acoustic fleece, black Acoustic Design Panel Hydro GSG4 12/25Q Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 23.0 % Mass: 7.7 kg/m²	60.0 m² 25 pieces
	LP-00847 LP-00848	Acoustic Design Panel Hydro GSG4 8/15/20R Acoustic fleece, black Acoustic Design Panel Hydro GSG4 8/15/20R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 9.5 % Mass: 9.1 kg/m²	60.0 m² 25 pieces
	LP-00850 LP-00851	Acoustic Design Panel Hydro GSG4 12/20/35R Acoustic fleece, black Acoustic Design Panel Hydro GSG4 12/20/35R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 11.0 % Mass: 8.9 kg/m²	60.0 m² 25 pieces

*Note: Despite being perforated irregularly, random perforation panels still yield a certain linear layout as the abutting panel edges must be non-perforated in any case. This is unavoidable and independent of the workmanship of the specialist contractor.

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com



Vogl acoustic design panels of the Visible Chamfer system are perforated ceiling panels with high acoustic performance and air purification effect (adsorption).
Black or white acoustic fleece backing (other fleece colours on request), four-side as a Visible Chamfer for installation by means of the quickest and most reliable "edge-to-edge" installation principle.

Other available options: Acoustic design panels with non-perforated edges, block perforation, applications, manufacture in accordance with customer designs and ceiling plans.

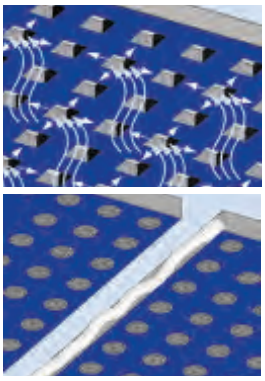
with air purification effect as a standard feature

Based on standard: EN 14190 "Gypsum plasterboard products from reprocessing"
Fire rating: A2-s1, d0 (non-flammable) according to EN 13501-1
Long edge: Visible Chamfer 2 x 2 mm
Short edge: Visible Chamfer 2 x 2 mm

EMISSION CLASS FOR BUILDING MATERIAL M1 — tested for contaminants LGA

Illustration	Item number	Description	Details	m²/pallet Pcs./pallet
	LP-00445 LP-00446	Acoustic Design Panel Visible Chamfer 6/18R Acoustic fleece, black Acoustic Design Panel Visible Chamfer 6/18R Acoustic fleece, white	1,188 x 1,998 x 12.5 mm Perforated area: 8.7 % Mass: 9.1 kg/m²	59.3 m² 25 pieces
	LP-00448 LP-00449	Acoustic Design Panel Visible Chamfer 8/18R Acoustic fleece, black Acoustic Design Panel Visible Chamfer 8/18R Acoustic fleece, white	1,188 x 1,998 x 12.5 mm Perforated area: 15.5 % Mass: 8.5 kg/m²	59.3 m² 25 pieces
	LP-00451 LP-00452	Acoustic Design Panel Visible Chamfer 10/23R Acoustic fleece, black Acoustic Design Panel Visible Chamfer 10/23R Acoustic fleece, white	1,196 x 2,001 x 12.5 mm Perforated area: 14.8 % Mass: 8.5 kg/m²	59.8 m² 25 pieces
	LP-00454 LP-00455	Acoustic Design Panel Visible Chamfer 12/25R Acoustic fleece, black Acoustic Design Panel Visible Chamfer 12/25R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 18.1 % Mass: 8.2 kg/m²	60.0 m² 25 pieces
	LP-00457 LP-00458	Acoustic Design Panel Visible Chamfer 15/30R Acoustic fleece, black Acoustic Design Panel Visible Chamfer 15/30R Acoustic fleece, white	1,200 x 1,980 x 12.5 mm Perforated area: 19.6 % Mass: 8.0 kg/m²	59.4 m² 25 pieces
	LP-00460 LP-00461	Acoustic Design Panel Visible Chamfer 8/12/50R Acoustic fleece, black Acoustic Design Panel Visible Chamfer 8/12/50R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 13.1 % Mass: 8.7 kg/m²	60.0 m² 25 pieces
	LP-00463 LP-00464	Acoustic Design Panel Visible Chamfer 12/20/66R Acoustic fleece, black Acoustic Design Panel Visible Chamfer 12/20/66R Acoustic fleece, white	1,188 x 1,980 x 12.5 mm Perforated area: 19.6 % Mass: 8.0 kg/m²	58.8 m² 25 pieces
	LP-00466 LP-00467	Acoustic Design Panel Visible Chamfer 8/18Q Acoustic fleece, black Acoustic Design Panel Visible Chamfer 8/18Q Acoustic fleece, white	1,188 x 1,998 x 12.5 mm Perforated area: 19.8 % Mass: 8.0 kg/m²	59.3 m² 25 pieces
	LP-00469 LP-00470	Acoustic Design Panel Visible Chamfer 12/25Q Acoustic fleece, black Acoustic Design Panel Visible Chamfer 12/25Q Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 23.0 % Mass: 7.7 kg/m²	60.0 m² 25 pieces
	LP-00472 LP-00473	Acoustic Design Panel Visible Chamfer 8/15/20R Acoustic fleece, black Acoustic Design Panel Visible Chamfer 8/15/20R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 9.5 % Mass: 9.1 kg/m²	60.0 m² * 25 pieces
	LP-00475 LP-00476	Acoustic Design Panel Visible Chamfer 12/20/35R Acoustic fleece, black Acoustic Design Panel Visible Chamfer 12/20/35R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 11.0 % Mass: 8.9 kg/m²	60.0 m² * 25 pieces

*Note: Despite being perforated irregularly, random perforation panels still yield a certain linear layout as the abutting panel edges must be non-perforated in any case. This is unavoidable and independent of the workmanship of the specialist contractor.



Vogl acoustic design panels of the Adhesive Seam system are perforated ceiling panels with high acoustic performance and air purification effect (adsorption).

Black or white acoustic fleece backing (other fleece colours on request).

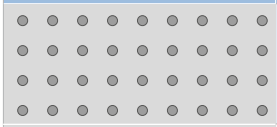
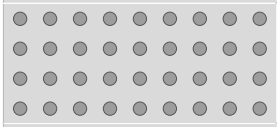
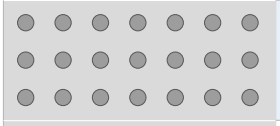
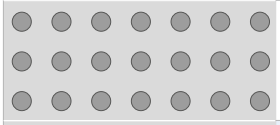
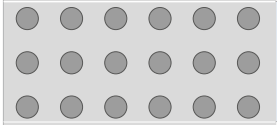
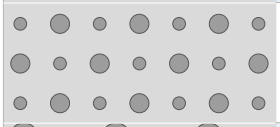
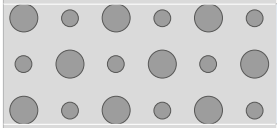
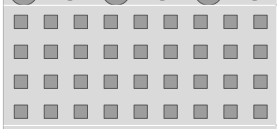
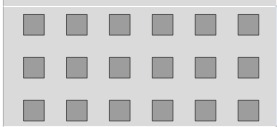
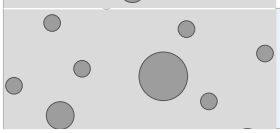
Other available options: Acoustic design panels with non-perforated edges, block perforation, applications, manufacture in accordance with customer designs and ceiling plans.

Based on standard: EN 14190 "Gypsum plasterboard products from reprocessing"
Fire rating: A2-s1, d0 (non-flammable) according to EN 13501-1
Long edge: SK (sharp-edged)
Short edge: SK (sharp-edged)

with air purification effect as a standard feature

EMISSION CLASS FOR BUILDING MATERIAL M1

tested for contaminants LGA

Illustration	Item number	Description	Details	m²/pallet Pcs./pallet
	LP-00422 LP-00423	Acoustic Design Panel KF 6/18R Acoustic fleece, black Acoustic Design Panel KF 6/18R Acoustic fleece, white	1,188 x 1,998 x 12.5 mm Perforated area: 8.7 % Mass: 9.1 kg/m²	59.3 m² 25 pieces
	LP-00424 LP-00425	Acoustic Design Panel KF 8/18R Acoustic fleece, black Acoustic Design Panel KF 8/18R Acoustic fleece, white	1,188 x 1,998 x 12.5 mm Perforated area: 15.5 % Mass: 8.5 kg/m²	59.3 m² 25 pieces
	LP-00426 LP-00427	Acoustic Design Panel KF 10/23R Acoustic fleece, black Acoustic Design Panel KF 10/23R Acoustic fleece, white	1,196 x 2,001 x 12.5 mm Perforated area: 14.8 % Mass: 8.5 kg/m²	59.8 m² 25 pieces
	LP-00428 LP-00429	Acoustic Design Panel KF 12/25R Acoustic fleece, black Acoustic Design Panel KF 12/25R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 18.1 % Mass: 8.2 kg/m²	60.0 m² 25 pieces
	LP-00430 LP-00431	Acoustic Design Panel KF 15/30R Acoustic fleece, black Acoustic Design Panel KF 15/30R Acoustic fleece, white	1,200 x 1,980 x 12.5 mm Perforated area: 19.6 % Mass: 8.0 kg/m²	59.4 m² 25 pieces
	LP-00432 LP-00433	Acoustic Design Panel KF 8/12/50R Acoustic fleece, black Acoustic Design Panel KF 8/12/50R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 13.1 % Mass: 8.7 kg/m²	60.0 m² 25 pieces
	LP-00434 LP-00435	Acoustic Design Panel KF 12/20/66R Acoustic fleece, black Acoustic Design Panel KF 12/20/66R Acoustic fleece, white	1,188 x 1,980 x 12.5 mm Perforated area: 19.6 % Mass: 8.0 kg/m²	58.8 m² 25 pieces
	LP-00436 LP-00437	Acoustic Design Panel KF 8/18Q Acoustic fleece, black Acoustic Design Panel KF 8/18Q Acoustic fleece, white	1,188 x 1,998 x 12.5 mm Perforated area: 19.8 % Mass: 8.0 kg/m²	59.3 m² 25 pieces
	LP-00438 LP-00439	Acoustic Design Panel KF 12/25Q Acoustic fleece, black Acoustic Design Panel KF 12/25Q Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 23.0 % Mass: 7.7 kg/m²	60.0 m² 25 pieces
	LP-00440 LP-00441	Acoustic Design Panel KF 8/15/20R Acoustic fleece, black Acoustic design panel KF 8/15/20R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 9.5 % Mass: 9.1 kg/m²	60.0 m² * 25 pieces
	LP-00442 LP-00443	Acoustic Design Panel KF 12/20/35R Acoustic fleece, black Acoustic Design Panel KF 12/20/35R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 11.0 % Mass: 8.9 kg/m²	60.0 m² * 25 pieces

*Note: Despite being perforated irregularly, random perforation panels still yield a certain linear layout as the abutting panel edges must be non-perforated in any case. This is unavoidable and independent of the workmanship of the specialist contractor.

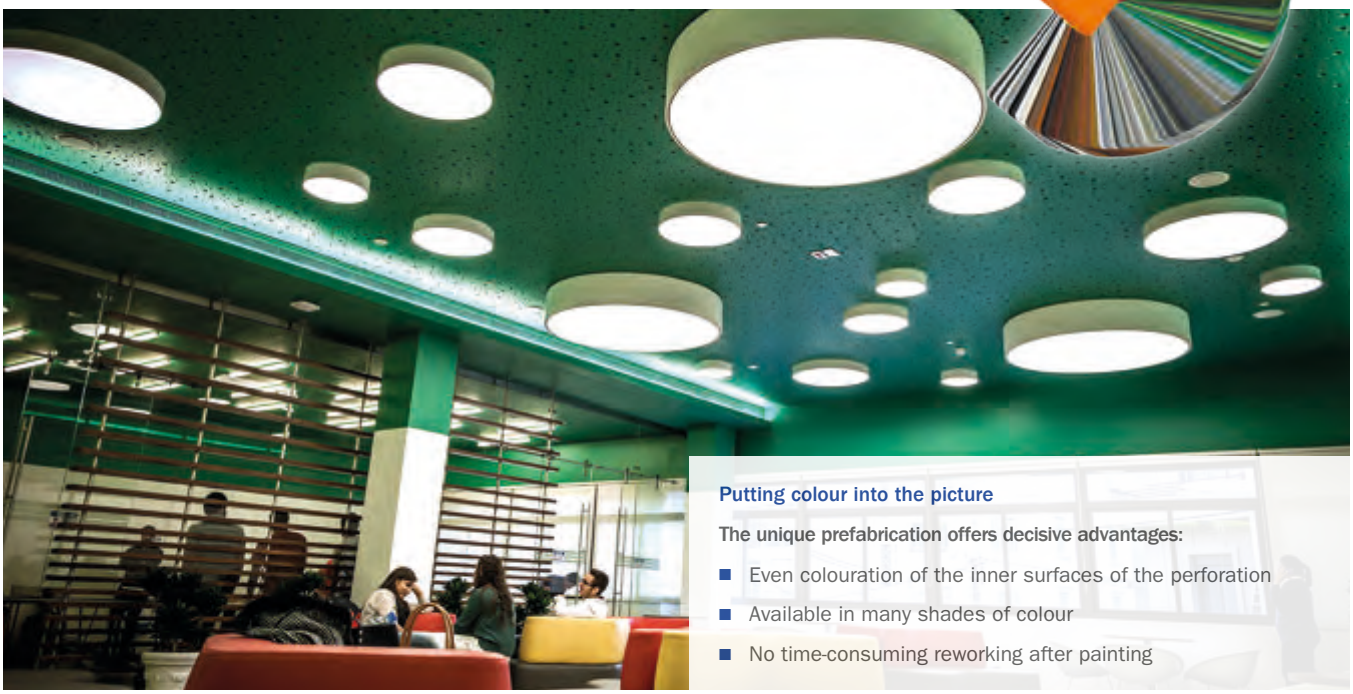
Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Focused on colour
to the very core

Vogl Colour Panels allow you to add colourful accents precisely and easily.

Colours influence our perception of rooms and our sense of wellbeing, while texture creates charismatic surfaces. Colour can be used in interior design to significantly improve the living and comfort factor.

In Vogl Colour Panels, the inner surfaces of the perforation are included in the factory colour treatment. This ensures high-quality and homogeneous colouration.



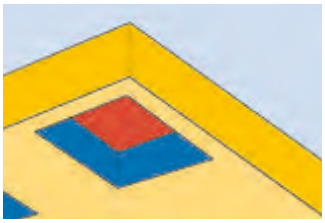
Putting colour into the picture

The unique prefabrication offers decisive advantages:

- Even colouration of the inner surfaces of the perforation
- Available in many shades of colour
- No time-consuming reworking after painting

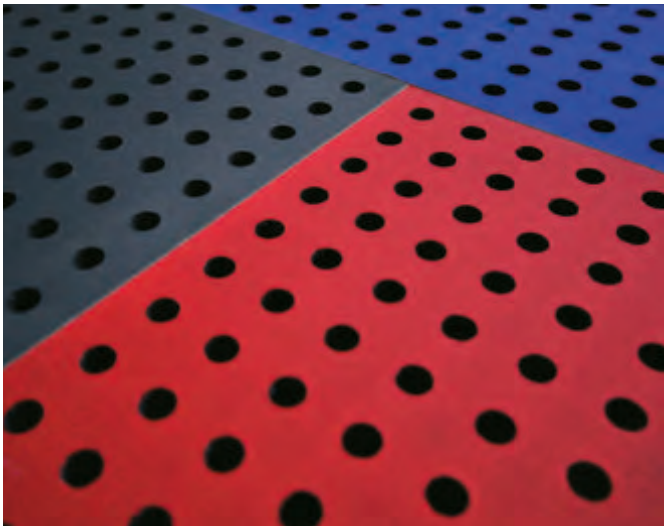
Vogl Colour Panel offers the possibility of factory-applied or on-site colouring with colour combinations for finishing coat, inner perforation and fleece colour.

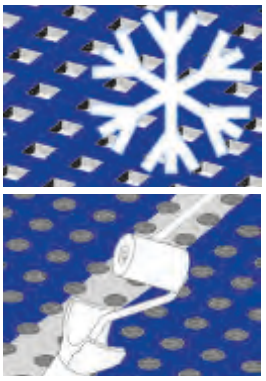
The finishing coat is always applied by the painter on-site.



Benefits of the Vogl Colour Panel:

- Perfectly sealed surfaces and properly coloured inner perforation surfaces
- Enormous time saving due to elimination of several work steps
- Satisfies highest aesthetic demands





The VoglThermotec panels of the VoglFuge system are perforated ceiling panels with high acoustic performance, a defined thermal conductivity of λ ≥ 0.25 and air purification effect.

Black or white acoustic fleece backing (other fleece colours on request), four-side sharp-edged with undercut for installation using the quickest and most secure "edge-to-edge" laying principle.

Other available options: VoglThermotec panels with non-perforated edges, block perforation, applications, manufacture in accordance with customer designs and ceiling plans.

with air purification effect as a standard feature

Delivery includes VoglFuge System Kit (without screws).

Based on standard: EN 14190 "Gypsum plasterboard products from reprocessing"
Fire rating: A2-s1, d0 (non-flammable) according to EN 13501-1
Long edge: SK (sharp-edged)
Short edge: SK (sharp-edged)

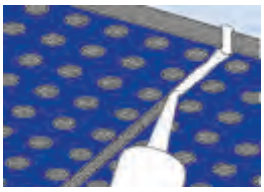
EMISSION CLASS FOR BUILDING MATERIAL M1

tested for contaminants LGA

Illustration	Item number	Description	Details	m²/pallet Pcs./pallet
	LP-00478 LP-00479	Thermotec panel VF 6/18R Acoustic fleece, black Thermotec panel VF 6/18R Acoustic fleece, white	1,188 x 1,998 x 10.0 mm Perforated area: 8.7 % Mass: 9.1 kg/m²	75.84 m² 32 pieces
	LP-00481 LP-00482	Thermotec panel VF 8/18R Acoustic fleece, black Thermotec panel VF 8/18R Acoustic fleece, white	1,188 x 1,998 x 10.0 mm Perforated area: 15.5 % Mass: 8.5 kg/m²	75.84 m² 32 pieces
	LP-00484 LP-00485	Thermotec panel VF 10/23R Acoustic fleece, black Thermotec panel VF 10/23R Acoustic fleece, white	1,196 x 2,001 x 10.0 mm Perforated area: 14.8 % Mass: 8.5 kg/m²	76.48 m² 32 pieces
	LP-00487 LP-00488	Thermotec panel VF 12/25R Acoustic fleece, black Thermotec panel VF 12/25R Acoustic fleece, white	1,200 x 2,000 x 10.0 mm Perforated area: 18.1 % Mass: 8.2 kg/m²	76.80 m² 32 pieces
	LP-00490 LP-00491	Thermotec panel VF 15/30R Acoustic fleece, black Thermotec panel VF 15/30R Acoustic fleece, white	1,200 x 1,980 x 10.0 mm Perforated area: 19.6 % Mass: 8.0 kg/m²	76.16 m² 32 pieces
	LP-00493 LP-00494	Thermotec panel VF 8/12/50R Acoustic fleece, black Thermotec panel VF 8/12/50R Acoustic fleece, white	1,200 x 2,000 x 10.0 mm Perforated area: 13.1 % Mass: 8.7 kg/m²	76.80 m² 32 pieces
	LP-00496 LP-00497	Thermotec panel VF 12/20/66R Acoustic fleece, black Thermotec panel VF 12/20/66R Acoustic fleece, white	1,188 x 1,980 x 10.0 mm Perforated area: 19.6 % Mass: 8.0 kg/m²	75.20 m² 32 pieces
	LP-00499 LP-00500	Thermotec panel VF 8/18Q Acoustic fleece, black Thermotec panel VF 8/18Q Acoustic fleece, white	1,188 x 1,998 x 10.0 mm Perforated area: 19.8 % Mass: 8.0 kg/m²	75.84 m² 32 pieces
	LP-00502 LP-00503	Thermotec panel VF 12/25Q Acoustic fleece, black Thermotec panel VF 12/25Q Acoustic fleece, white	1,200 x 2,000 x 10.0 mm Perforated area: 23.0 % Mass: 7.7 kg/m²	76.80 m² 32 pieces
	LP-00505 LP-00506	Thermotec panel VF 8/15/20R Acoustic fleece, black Thermotec panel VF 8/15/20R Acoustic fleece, white	1,200 x 2,000 x 10.0 mm Perforated area: 9.5 % Mass: 9.1 kg/m²	76.80 m² 32 pieces
	LP-00508 LP-00509	Thermotec panel VF 12/20/35R Acoustic fleece, black Thermotec panel VF 12/20/35R Acoustic fleece, white	1,200 x 2,000 x 10.0 mm Perforated area: 11.0 % Mass: 8.9 kg/m²	76.80 m² 32 pieces

*Note: Despite being perforated irregularly, random perforation panels still yield a certain linear layout as the abutting panel edges must be non-perforated in any case. This is unavoidable and independent of the workmanship of the specialist contractor.

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com



VoglThermotec panels of the Compound Seam system are perforated ceiling panels with high acoustic performance, a defined thermal conductivity of $\lambda \geq 0.25$ and air purification effect.

Black or white acoustic fleece backing (other fleece colours on request).

Other available options: VoglThermotec panels with non-perforated edges, block perforation, applications, manufacture in accordance with customer designs and ceiling plans.

with air purification effect as a standard feature

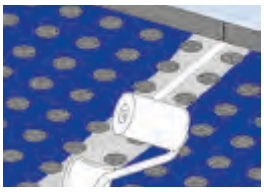
Based on standard: EN 14190 "Gypsum plasterboard products from reprocessing"
Fire rating: A2-s1, d0 (non-flammable) according to EN 13501-1
Long edge: SK (sharp-edged)
Short edge: SK (sharp-edged)

EMISSION CLASS FOR BUILDING MATERIAL M1

tested for contaminants LGA

Illustration	Item number	Description	Details	m²/pallet Pcs./pallet
	LP-00515 LP-00517	Thermotec panel SF 6/18R Acoustic fleece, black Thermotec panel SF 6/18R Acoustic fleece, white	1,188 x 1,998 x 10.0 mm Perforated area: 8.7 % Mass: 9.1 kg/m²	75.84 m² 32 pieces
	LP-00520 LP-00522	Thermotec panel SF 8/18R Acoustic fleece, black Thermotec panel SF 8/18R Acoustic fleece, white	1,188 x 1,998 x 10.0 mm Perforated area: 15.5 % Mass: 8.5 kg/m²	75.84 m² 32 pieces
	LP-00524 LP-00525	Thermotec panel SF 10/23R Acoustic fleece, black Thermotec panel SF 10/23R Acoustic fleece, white	1,196 x 2,001 x 10.0 mm Perforated area: 14.8 % Mass: 8.5 kg/m²	76.48 m² 32 pieces
	LP-00527 LP-00529	Thermotec panel SF 12/25R Acoustic fleece, black Thermotec panel SF 12/25R Acoustic fleece, white	1,200 x 2,000 x 10.0 mm Perforated area: 18.1 % Mass: 8.2 kg/m²	76.80 m² 32 pieces
	LP-00531 LP-00533	Thermotec panel SF 15/30R Acoustic fleece, black Thermotec panel SF 15/30R Acoustic fleece, white	1,200 x 1,980 x 10.0 mm Perforated area: 19.6 % Mass: 8.0 kg/m²	76.16 m² 32 pieces
	LP-00535 LP-00536	Thermotec panel SF 8/12/50R Acoustic fleece, black Thermotec panel SF 8/12/50R Acoustic fleece, white	1,200 x 2,000 x 10.0 mm Perforated area: 13.1 % Mass: 8.7 kg/m²	76.80 m² 32 pieces
	LP-00538 LP-00539	Thermotec panel SF 12/20/66R Acoustic fleece, black Thermotec panel SF 12/20/66R Acoustic fleece, white	1,188 x 1,980 x 10.0 mm Perforated area: 19.6 % Mass: 8.0 kg/m²	75.20 m² 32 pieces
	LP-00541 LP-00543	Thermotec panel SF 8/18Q Acoustic fleece, black Thermotec panel SF 8/18Q Acoustic fleece, white	1,188 x 1,998 x 10.0 mm Perforated area: 19.8 % Mass: 8.0 kg/m²	75.84 m² 32 pieces
	LP-00545 LP-00547	Thermotec panel SF 12/25Q Acoustic fleece, black Thermotec panel SF 12/25Q Acoustic fleece, white	1,200 x 2,000 x 10.0 mm Perforated area: 23.0 % Mass: 7.7 kg/m²	76.80 m² 32 pieces
	LP-00550 LP-00552	Thermotec panel SF 8/15/20R Acoustic fleece, black Thermotec panel SF 8/15/20R Acoustic fleece, white	1,200 x 2,000 x 10.0 mm Perforated area: 9.5 % Mass: 9.1 kg/m²	76.80 m² * 32 pieces
	LP-00554 LP-00555	Thermotec panel SF 12/20/35R Acoustic fleece, black Thermotec panel SF 12/20/35R Acoustic fleece, white	1,200 x 2,000 x 10.0 mm Perforated area: 11.0 % Mass: 8.9 kg/m²	76.80 m² * 32 pieces

*Note: Despite being perforated irregularly, random perforation panels still yield a certain linear layout as the abutting panel edges must be non-perforated in any case. This is unavoidable and independent of the workmanship of the specialist contractor.



VoglThermotec panels PLUS of the VoglFuge system are perforated ceiling panels containing graphite, with high acoustic performance, a defined thermal conductivity of $\lambda \geq 0.52$ and air purification effect.

Black or white acoustic fleece backing (other fleece colours on request), four-side sharp-edged with undercut for installation using the quickest and most secure "edge-to-edge" laying principle.

Other available options: VoglThermotec panels with non-perforated edges, block perforation, applications, manufacture in accordance with customer designs and ceiling plans.

with air purification effect as a standard feature

Delivery includes VoglFuge System Kit with liquid glue (without screws).
For the screwing, we recommend Item no. 101705 "perforated panel screw TTP PLUS, TB 23".

Based on standard: EN 14190 "Gypsum plasterboard products from reprocessing"
Fire rating: A2-s1, d0 (non-flammable) according to EN 13501-1
Long edge: SK (sharp-edged)
Short edge: SK (sharp-edged)

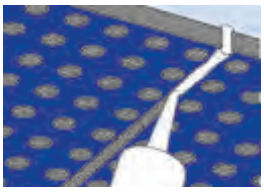
Note: The graphite content in the gypsum core results partly in an irregular appearance of the ceiling surface. This shows especially when regarding the ceiling from a distance at an angle and is unavoidable when using this type of panel.

tested for contaminants LGA

Illustration	Item number	Description	Details	m²/pallet Pcs./pallet
	LP-00721 LP-00722	Thermotec panel PLUS VF 6/18R Acoustic fleece, black Thermotec panel PLUS VF 6/18R Acoustic fleece, white	1,188 x 1,998 x 10.0 mm Perforated area: 8.7 % Mass: 9.1 kg/m²	75.84 m² 32 pieces
	LP-00724 LP-00725	Thermotec panel PLUS VF 8/18R Acoustic fleece, black Thermotec panel PLUS VF 8/18R Acoustic fleece, white	1,188 x 1,998 x 10.0 mm Perforated area: 15.5 % Mass: 8.5 kg/m²	75.84 m² 32 pieces
	LP-00727 LP-00728	Thermotec panel PLUS VF 10/23R Acoustic fleece, black Thermotec panel PLUS VF 10/23R Acoustic fleece, white	1,196 x 2,001 x 10.0 mm Perforated area: 14.8 % Mass: 8.5 kg/m²	76.48 m² 32 pieces
	LP-00730 LP-00731	Thermotec panel PLUS VF 12/25R Acoustic fleece, black Thermotec panel PLUS VF 12/25R Acoustic fleece, white	1,200 x 2,000 x 10.0 mm Perforated area: 18.1 % Mass: 8.2 kg/m²	76.80 m² 32 pieces
	LP-00733 LP-00734	Thermotec panel PLUS VF 15/30R Acoustic fleece, black Thermotec panel PLUS VF 15/30R Acoustic fleece, white	1,200 x 1,980 x 10.0 mm Perforated area: 19.6 % Mass: 8.0 kg/m²	76.16 m² 32 pieces
	LP-00736 LP-00737	Thermotec panel PLUS VF 8/12/50R Acoustic fleece, black Thermotec panel PLUS VF 8/12/50R Acoustic fleece, white	1,200 x 2,000 x 10.0 mm Perforated area: 13.1 % Mass: 8.7 kg/m²	76.80 m² 32 pieces
	LP-00739 LP-00740	Thermotec panel PLUS VF 12/20/66R Acoustic fleece, black Thermotec panel PLUS VF 12/20/66R Acoustic fleece, white	1,188 x 1,980 x 10.0 mm Perforated area: 19.6 % Mass: 8.0 kg/m²	75.20 m² 32 pieces
	LP-00742 LP-00743	Thermotec panel PLUS VF 8/18Q Acoustic fleece, black Thermotec panel PLUS VF 8/18Q Acoustic fleece, white	1,188 x 1,998 x 10.0 mm Perforated area: 19.8 % Mass: 8.0 kg/m²	75.84 m² 32 pieces
	LP-00745 LP-00746	Thermotec panel PLUS VF 12/25Q Acoustic fleece, black Thermotec panel PLUS VF 12/25Q Acoustic fleece, white	1,200 x 2,000 x 10.0 mm Perforated area: 23.0 % Mass: 7.7 kg/m²	76.80 m² 32 pieces
	LP-00748 LP-00749	Thermotec panel PLUS VF 8/15/20R Acoustic fleece, black Thermotec panel PLUS VF 8/15/20R Acoustic fleece, white	1,200 x 2,000 x 10.0 mm Perforated area: 9.5 % Mass: 9.1 kg/m²	76.80 m² 32 pieces
	LP-00751 LP-00752	Thermotec panel PLUS VF 12/20/35R Acoustic fleece, black Thermotec panel PLUS VF 12/20/35R Acoustic fleece, white	1,200 x 2,000 x 10.0 mm Perforated area: 11.0 % Mass: 8.9 kg/m²	76.80 m² 32 pieces

*Note: Despite being perforated irregularly, random perforation panels still yield a certain linear layout as the abutting panel edges must be non-perforated in any case. This is unavoidable and independent of the workmanship of the specialist contractor.

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com



VoglThermotec panels PLUS of the Compound Seam system are perforated ceiling panels containing graphite, with high acoustic performance, a defined thermal conductivity of λ ≥ 0.52 and air purification effect.

Black or white acoustic fleece backing (other fleece colours on request).

Other available options: VoglThermotec panels with non-perforated edges, block perforation, applications, manufacture in accordance with customer designs and ceiling plans.

For the screwing, we recommend Item no. 101705 "perforated panel screw TTP PLUS, TB 23".

with air purification effect as a standard feature

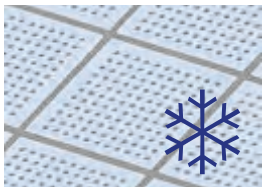
Based on standard: EN 14190 "Gypsum plasterboard products from reprocessing"
Fire rating: A2-s1, d0 (non-flammable) according to EN 13501-1
Long edge: SK (sharp-edged)
Short edge: SK (sharp-edged)

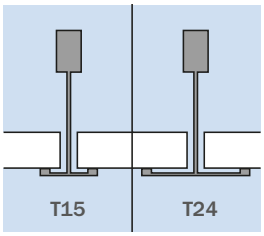
Note: The graphite content in the gypsum core results partly in an irregular appearance of the ceiling surface. This shows especially when regarding the ceiling from a distance at an angle and is unavoidable when using this type of panel.

tested for contaminants LGA

Illustration	Item number	Description	Details	m²/pallet Pcs./pallet
	LP-00754 LP-00755	Thermotec panel PLUS SF 6/18R Acoustic fleece, black Thermotec panel PLUS SF 6/18R Acoustic fleece, white	1,188 x 1,998 x 10.0 mm Perforated area: 8.7 % Mass: 9.1 kg/m²	75.84 m² 32 pieces
	LP-00757 LP-00758	Thermotec panel PLUS SF 8/18R Acoustic fleece, black Thermotec panel PLUS SF 8/18R Acoustic fleece, white	1,188 x 1,998 x 10.0 mm Perforated area: 15.5 % Mass: 8.5 kg/m²	75.84 m² 32 pieces
	LP-00760 LP-00761	Thermotec panel PLUS SF 10/23R Acoustic fleece, black Thermotec panel PLUS SF 10/23R Acoustic fleece, white	1,196 x 2,001 x 10.0 mm Perforated area: 14.8 % Mass: 8.5 kg/m²	76.48 m² 32 pieces
	LP-00763 LP-00764	Thermotec panel PLUS SF 12/25R Acoustic fleece, black Thermotec panel PLUS SF 12/25R Acoustic fleece, white	1,200 x 2,000 x 10.0 mm Perforated area: 18.1 % Mass: 8.2 kg/m²	76.80 m² 32 pieces
	LP-00766 LP-00767	Thermotec panel PLUS SF 15/30R Acoustic fleece, black Thermotec panel PLUS SF 15/30R Acoustic fleece, white	1,200 x 1,980 x 10.0 mm Perforated area: 19.6 % Mass: 8.0 kg/m²	76.16 m² 32 pieces
	LP-00769 LP-00770	Thermotec panel PLUS SF 8/12/50R Acoustic fleece, black Thermotec panel PLUS SF 8/12/50R Acoustic fleece, white	1,200 x 2,000 x 10.0 mm Perforated area: 13.1 % Mass: 8.7 kg/m²	76.80 m² 32 pieces
	LP-00772 LP-00773	Thermotec panel PLUS SF 12/20/66R Acoustic fleece, black Thermotec panel PLUS SF 12/20/66R Acoustic fleece, white	1,188 x 1,980 x 10.0 mm Perforated area: 19.6 % Mass: 8.0 kg/m²	75.20 m² 32 pieces
	LP-00775 LP-00776	Thermotec panel PLUS SF 8/18Q Acoustic fleece, black Thermotec panel PLUS SF 8/18Q Acoustic fleece, white	1,188 x 1,998 x 10.0 mm Perforated area: 19.8 % Mass: 8.0 kg/m²	75.84 m² 32 pieces
	LP-00778 LP-00779	Thermotec panel PLUS SF 12/25Q Acoustic fleece, black Thermotec panel PLUS SF 12/25Q Acoustic fleece, white	1,200 x 2,000 x 10.0 mm Perforated area: 23.0 % Mass: 7.7 kg/m²	76.80 m² 32 pieces
	LP-00781 LP-00782	Thermotec panel PLUS SF 8/15/20R Acoustic fleece, black Thermotec panel PLUS SF 8/15/20R Acoustic fleece, white	1,200 x 2,000 x 10.0 mm Perforated area: 9.5 % Mass: 9.1 kg/m²	76.80 m² * 32 pieces
	LP-00784 LP-00785	Thermotec panel PLUS SF 12/20/35R Acoustic fleece, black Thermotec panel PLUS SF 12/20/35R Acoustic fleece, white	1,200 x 2,000 x 10.0 mm Perforated area: 11.0 % Mass: 8.9 kg/m²	76.80 m² * 32 pieces

*Note: Despite being perforated irregularly, random perforation panels still yield a certain linear layout as the abutting panel edges must be non-perforated in any case. This is unavoidable and independent of the workmanship of the specialist contractor.



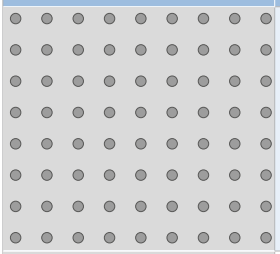
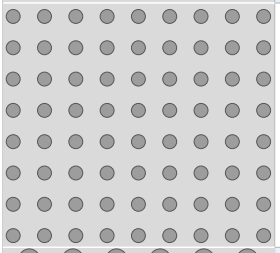
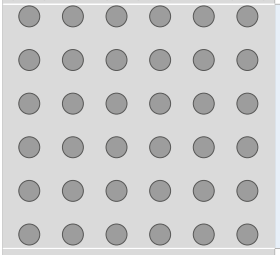
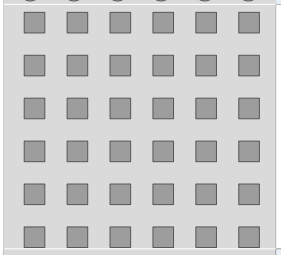


The surface-finished inlaid tiles consist of completely prefabricated, perforated plasterboard tiles with capillary tube mats integrated between the rows of perforation invisibly at the back.

VoglThermal Tiles are perforated plasterboards precision manufactured in compliance with EN 14190, th = 12.5 mm, with sharp edges, integrated capillary tube mats backed with sound-absorbing fleece and insulating material lining 30 mm (WLG 040), exposed side with factory-applied white finishing coat.

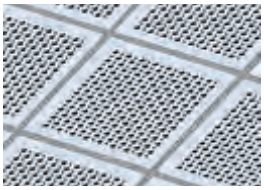
Minor deviations in the product properties, in particular minor differences in colour and texture as well as insignificant deviations in length, width and thickness of the material delivered, are not considered defects. Mixing panel material from different production periods should be avoided.

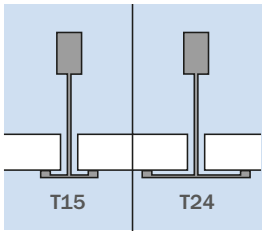
Mounting system: Basic (T15/T24) exposed grid
Based on standard: EN 14190 "Gypsum plasterboard products from reprocessing"
Fire rating: C-S2, d0 according to EN 13501-1
Long edge: SK (sharp-edged)
Short edge: SK (sharp-edged)

Illustration	Item number	Description	Details	Pieces/PU
	on request	GP-K Basic Thermo 600 T15/24 6/18R AVS Acoustic fleece, black	600 x 600 x 12.5 mm	8 pcs./box
		GP-K Basic Thermo 625 T15/24 6/18R AVS Acoustic fleece, black	625 x 625 x 12.5 mm	8 pcs./box
		GP-K Basic Thermo 1,200 T15/24 6/18R AVS Acoustic fleece, black	1,200 x 600 x 12.5 mm	4 pcs./box
		GP-K Basic Thermo 1,250 T15/24 6/18R AVS Acoustic fleece, black	1,250 x 625 x 12.5 mm	4 pcs./box
	on request	GP-K Basic Thermo 600 T15/24 8/18R AVS Acoustic fleece, black	600 x 600 x 12.5 mm	8 pcs./box
		GP-K Basic Thermo 625 T15/24 8/18R AVS Acoustic fleece, black	625 x 625 x 12.5 mm	8 pcs./box
		GP-K Basic Thermo 1,200 T15/24 8/18R AVS Acoustic fleece, black	1,200 x 600 x 12.5 mm	4 pcs./box
		GP-K Basic Thermo 1,250 T15/24 8/18R AVS Acoustic fleece, black	1,250 x 625 x 12.5 mm	4 pcs./box
	on request	GP-K Basic Thermo 600 T15/24 12/25R AVS Acoustic fleece, black	600 x 600 x 12.5 mm	8 pcs./box
		GP-K Basic Thermo 625 T15/24 12/25R AVS Acoustic fleece, black	625 x 625 x 12.5 mm	8 pcs./box
		GP-K Basic Thermo 1,200 T15/24 12/25R AVS Acoustic fleece, black	1,200 x 600 x 12.5 mm	4 pcs./box
		GP-K Basic Thermo 1,250 T15/24 12/25R AVS Acoustic fleece, black	1,250 x 625 x 12.5 mm	4 pcs./box
	on request	GP-K Basic Thermo 600 T15/24 12/25Q AVS Acoustic fleece, black	600 x 600 x 12.5 mm	8 pcs./box
		GP-K Basic Thermo 625 T15/24 12/25Q AVS Acoustic fleece, black	625 x 625 x 12.5 mm	8 pcs./box
		GP-K Basic Thermo 1,200 T15/24 12/25Q AVS Acoustic fleece, black	1,200 x 600 x 12.5 mm	4 pcs./box
		GP-K Basic Thermo 1,250 T15/24 12/25Q AVS Acoustic fleece, black	1,250 x 625 x 12.5 mm	4 pcs./box
	on request	GP-K Basic Thermo 600 T15/24 non-perforated	600 x 600 x 12.5 mm	8 pcs./box
		GP-K Basic Thermo 625 T15/24 non-perforated	625 x 625 x 12.5 mm	8 pcs./box
		GP-K Basic Thermo 1,200 T15/24 non-perforated	1,200 x 600 x 12.5 mm	4 pcs./box
		GP-K Basic Thermo 1,250 T15/24 non-perforated	1,250 x 625 x 12.5 mm	4 pcs./box

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Edge Shape "Basic T15/T24"





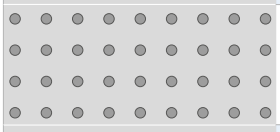
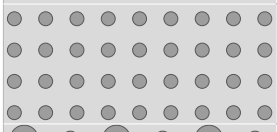
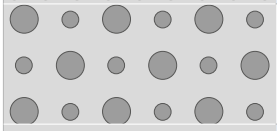
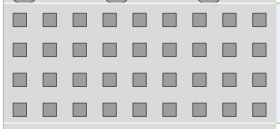
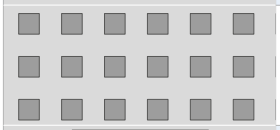
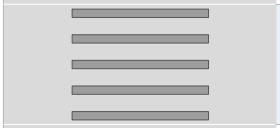
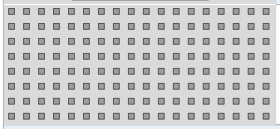
Vogl Ceiling Tiles are accessible, perforated ceiling panels with high acoustic performance for installation into T-profile systems.

The black acoustic fleece lining on the back (other colours on request) satisfies the highest demands on sound absorption.

Vogl Ceiling Tiles come with a pure white finishing coat (similar to RAL 9010).

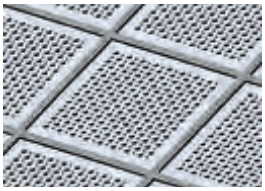
Minor deviations in the product properties, in particular minor differences in colour and texture as well as insignificant deviations in length, width and thickness of the material delivered, are not considered defects. Mixing panel material from different production periods should be avoided.

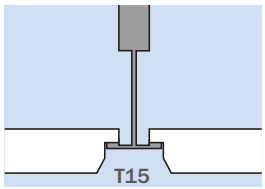
Mounting system: Basic (T15/T24) exposed grid
Based on standard: EN 14190 "Gypsum plasterboard products from reprocessing"
Fire rating: A2-s1, d0 (non-flammable) according to EN 13501-1
Long edge: SK (sharp-edged)
Short edge: SK (sharp-edged)

Illustration	Item number	Description	Details	Pieces/PU
	KAS-00001 KAS-00021	GP-K Basic 600 T15/T24 non-perforated GP-K Basic 625 T15/T24 non-perforated	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces
	KAS-00002 KAS-00022	GP-K Basic 600 T15/T24 6/18R AVS Acoustic fleece, black GP-K Basic 625 T15/T24 6/18R AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces
	KAS-00004 KAS-00023	GP-K Basic 600 T15/T24 8/18R AVS Acoustic fleece, black GP-K Basic 625 T15/T24 8/18R AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces
	KAS-00012 KAS-00026	GP-K Basic 600 T15/T24 12/20/66R AVS Acoustic fleece, black GP-K Basic 625 T15/T24 12/20/66R AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces
	KAS-00013 KAS-00027	GP-K Basic 600 T15/T24 8/18Q AVS Acoustic fleece, black GP-K Basic 625 T15/T24 8/18Q AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces
	KAS-00015 KAS-00029	GP-K Basic 600 T15/T24 12/25Q AVS Acoustic fleece, black GP-K Basic 625 T15/T24 12/25Q AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces
	KAS-00137 KAS-00138	GP-K Basic 600 T15/T24 5/82/15.4SL AVS Acoustic fleece, black GP-K Basic 625 T15/T24 5/82/15.4SL AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces
	KAS-00019 KAS-00030	GP-K Basic 600 T15/T24 3.5/9Q AVS Acoustic fleece, black GP-K Basic 625 T15/T24 3.5/9Q AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces

Further perforation patterns/dimensions available on request

Edge Shape "Excellent T15"





Vogl Ceiling Tiles are accessible, perforated ceiling panels with high acoustic performance for installation into T-profile systems.

The black acoustic fleece lining on the back (other colours on request) satisfies the highest demands on sound absorption.

Vogl Ceiling Tiles come with a pure white finishing coat (similar to RAL 9010).

Minor deviations in the product properties, in particular minor differences in colour and texture as well as insignificant deviations in length, width and thickness of the material delivered, are not considered defects. Mixing panel material from different production periods should be avoided.

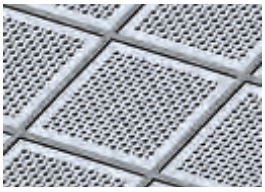
Mounting system: Excellent (T15) rebated grid
Based on standard: EN 14190 "Gypsum plasterboard products from reprocessing"
Fire rating: A2-s1, d0 (non-flammable) according to EN 13501-1
Long edge: FK T15 (bevelled), type Excellent
Short edge: FK T15 (bevelled), type Excellent

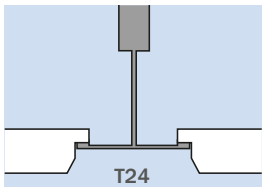
Illustration	Item number	Description	Details	Pieces/PU
	KAS-00039 KAS-00066	GP-K Excellent 600 T15 non-perforated GP-K Excellent 625 T15 non-perforated	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces
	KAS-00040 KAS-00067	GP-K Excellent 600 T15 6/18R AVS Acoustic fleece, black GP-K Excellent 625 T15 6/18R AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces
	KAS-00042 KAS-00139	GP-K Excellent 600 T15 8/18R AVS Acoustic fleece, black GP-K Excellent 625 T15 8/18R AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces
	KAS-00046 KAS-00068	GP-K Excellent 600 T15 12/20/66R AVS Acoustic fleece, black GP-K Excellent 625 T15 12/20/66R AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces
	KAS-00048 KAS-00069	GP-K Excellent 600 T15 8/18Q AVS Acoustic fleece, black GP-K Excellent 625 T15 8/18Q AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces
	KAS-00049 KAS-00071	GP-K Excellent 600 T15 12/25Q AVS Acoustic fleece, black GP-K Excellent 625 T15 12/25Q AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces
	KAS-00140 KAS-00141	GP-K Excellent 600 T15 5/82/15.4SL AVS Acoustic fleece, black GP-K Excellent 625 T15 5/82/15.4SL AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces
	KAS-00052 KAS-00072	GP-K Excellent 600 T15 3.5/9Q AVS Acoustic fleece, black GP-K Excellent 625 T15 3.5/9Q AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces

Further perforation patterns/dimensions available on request

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Edge Shape "Excellent T24"





Vogl Ceiling Tiles are accessible, perforated ceiling panels with high acoustic performance for installation into T-profile systems.

The black acoustic fleece lining on the back (other colours on request) satisfies the highest demands on sound absorption.

Vogl Ceiling Tiles come with a pure white finishing coat (similar to RAL 9010).

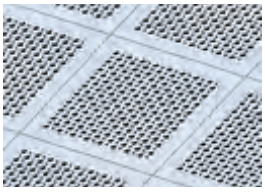
Minor deviations in the product properties, in particular minor differences in colour and texture as well as insignificant deviations in length, width and thickness of the material delivered, are not considered defects. Mixing panel material from different production periods should be avoided.

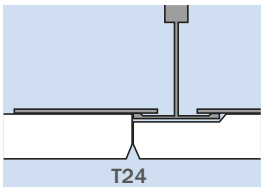
Mounting system:	Excellent (T24) rebated grid
Based on standard:	EN 14190 "Gypsum plasterboard products from reprocessing"
Fire rating:	A2-s1, d0 (non-flammable) according to EN 13501-1
Long edge:	FK T24 (bevelled), type Excellent
Short edge:	FK T24 (bevelled), type Excellent

Illustration	Item number	Description	Details	Pieces/PU
	KAS-00054 KAS-00074	GP-K Excellent 600 T24 non-perforated GP-K Excellent 600 T24 non-perforated	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces
	KAS-00055 KAS-00075	GP-K Excellent 600 T24 6/18R AVS Acoustic fleece, black GP-K Excellent 625 T24 6/18R AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces
	KAS-00056 KAS-00119	GP-K Excellent 600 T24 8/18R AVS Acoustic fleece, black GP-K Excellent 625 T24 8/18R AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces
	KAS-00142 KAS-00077	GP-K Excellent 600 T24 12/20/66R AVS Acoustic fleece, black GP-K Excellent 625 T24 12/20/66R AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces
	KAS-00059 KAS-00078	GP-K Excellent 600 T24 8/18Q AVS Acoustic fleece, black GP-K Excellent 625 T24 8/18Q AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces
	KAS-00060 KAS-00079	GP-K Excellent 600 T24 12/25Q AVS Acoustic fleece, black GP-K Excellent 625 T24 12/25Q AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces
	KAS-00143 KAS-00144	GP-K Excellent 600 T24 5/82/15.4SL AVS Acoustic fleece, black GP-K Excellent 625 T24 5/82/15.4SL AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces
	KAS-00064 KAS-00080	GP-K Excellent 600 T24 3.5/9Q AVS Acoustic fleece, black GP-K Excellent 625 T24 3.5/9Q AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces

Further perforation patterns/dimensions available on request

Edge Shape "Premium T24"





Vogl Ceiling Tiles are accessible, perforated ceiling panels with high acoustic performance for installation into T-profile systems.

The black acoustic fleece lining on the back (other colours on request) satisfies the highest demands on sound absorption.

Vogl Ceiling Tiles come with a pure white finishing coat (similar to RAL 9010).

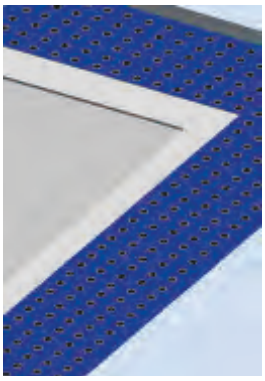
Minor deviations in the product properties, in particular minor differences in colour and texture as well as insignificant deviations in length, width and thickness of the material delivered, are not considered defects. Mixing panel material from different production periods should be avoided.

Mounting system: Premium (T24) concealed grid
Based on standard: EN 14190 "Gypsum plasterboard products from reprocessing"
Fire rating: A2-s1, d0 (non-flammable) according to EN 13501-1
Long edge: FK T24 (bevelled), type Premium
Short edge: FK T24 (bevelled), type Premium

Illustration	Item number	Description	Details	Pieces/PU
	KAS-00093 KAS-00104	GP-K Premium 600 T24 non-perforated GP-K Premium 625 T24 non-perforated	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces
	KAS-00094 KAS-00105	GP-K Premium 600 T24 6/18R AVS Acoustic fleece, black GP-K Premium 625 T24 6/18R AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces
	KAS-00096 KAS-00145	GP-K Premium 600 T24 8/18R AVS Acoustic fleece, black GP-K Premium 625 T24 8/18R AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces
	KAS-00146 KAS-00147	GP-K Premium 600 T24 12/20/66R AVS Acoustic fleece, black GP-K Premium 625 T24 12/20/66R AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces
	KAS-00097 KAS-00106	GP-K Premium 600 T24 8/18Q AVS Acoustic fleece, black GP-K Premium 625 T24 8/18Q AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces
	KAS-00099 KAS-00107	GP-K Premium 600 T24 12/25Q AVS Acoustic fleece, black GP-K Premium 625 T24 12/25Q AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces
	KAS-00148 KAS-00149	GP-K Premium 600 T24 5/82/15.4SL AVS Acoustic fleece, black GP-K Premium 625 T24 5/82/15.4SL AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces
	KAS-00102 KAS-00108	GP-K Premium 600 T24 3.5/9Q AVS Acoustic fleece, black GP-K Premium 625 T24 3.5/9Q AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces

Further perforation patterns/dimensions available on request

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com



VoglToptec acoustic plaster system panels are perforated ceiling panels with high acoustic performance (exception: Type Reflexio which creates reflecting areas) for on-site lamination of the fleece plaster base (glass fibre fleece) and subsequent final coating with VoglToptec acoustic plaster.

Acoustic fleece or foil lamination backing, four-side sharp-edged with undercut for installation using the quickest and most secure "edge-to-edge" laying principle.
Delivery including VoglToptec screw kit (incl. perforated panel screws SN 3.5 x 30).

Based on standard: EN 14190 "Gypsum plasterboard products from reprocessing"
Fire rating: A2-s1, d0 or B1-s1, d0 (with foil) according to EN 13501-1
Long edge: SK (sharp-edged)
Short edge: SK (sharp-edged)

tested for contaminants LGA

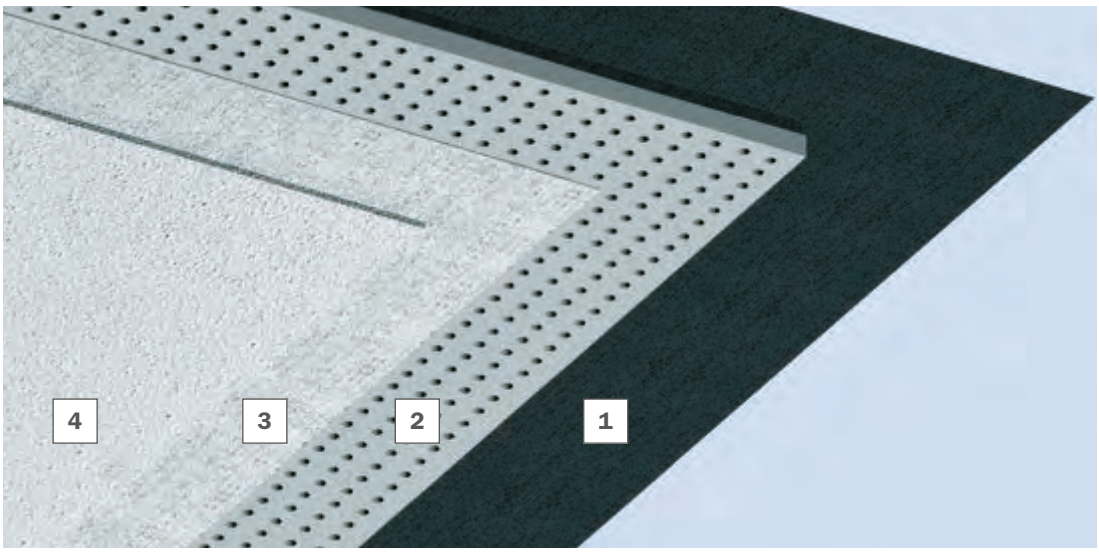
Illustration	Item number	Description	Details	m²/pallet Pcs./pallet
	LP-00853	Acoustic plaster system panel Reflexio Acoustic fleece, black	1,206 x 2,006 x 12.5 mm Perforated area: 0 % Mass: 10.0 kg/m²	60.5 m² 25 pieces
	LP-00856	Acoustic plaster system panel 8/18R Acoustic fleece, black	1,194 x 2,004 x 12.5 mm Perforated area: 15.4 % Mass: 8.5 kg/m²	59.8 m² 25 pieces
	LP-00860	Acoustic plaster system panel 12/25Q Acoustic fleece, black	1,206 x 2,006 x 12.5 mm Perforated area: 22.9 % Mass: 7.7 kg/m²	60.5 m² 25 pieces
	LP-00865	Ultracoustic panel DLV 12/25R Acoustic fleece, black	1,232.5 x 1,950 x 12.5 mm Perforated area: 33.9 % Mass: 6.5 kg/m²	60.0 m² 25 pieces
	LP-00873	Acoustic plaster system panel 12/25Q Acoustic fleece, black **and foil**	1,206 x 2,006 x 12.5 mm Perforated area: 22.9 % Mass: 7.7 kg/m²	60.5 m² 25 pieces

1 Acoustic fleece or acoustic fleece and foil **ex factory**

2 VoglToptec system panel

3 Plaster base fleece **installed on-site**

4 Acoustic plaster **applied on-site**



New swinging shape for ceilings

Perfectly designed Floating Ceilings lastingly enhance any conventional ceiling construction. They improve noise absorption and thus selectively contribute to improved room acoustics. Furthermore, they offer the possibility of integrating chilled ceiling floating elements and fitted ceiling components (sprinklers, illumination, ventilation, etc.) in a great variety, always easily accessible.

The Floating Ceilings are manufactured upon request within a short time of drawing approval in accordance with customer specifications, pre-assembled and – if huge in size – disassembled again into manageable segments for ease of transport and on-site handling.

Simple installation technology assures easy handling and particularly quick processing.

Perfect design available ex factory

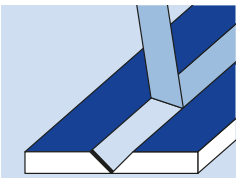
The unique prefabrication offers decisive advantages:

- Optimum joint appearance without visible panel edges
- Wide choice of shapes, colours and functions
- Perfect complement to old ceilings
- Easy installation
- Custom solutions can be produced at short notice
- Perfectly prefabricated floating ceilings for direct final installation – it could not be easier

Illustration	Item number	Description	Dimensions	PU
	101728	Acoustic Floating Ceiling, ready to install Material: Perforated plasterboard according to EN 14190, 8/18R Acoustic fleece backing, black Surface with white finishing coat Backed with insulating material lining, 30 mm Including: Framework for four suspension points, suspension accessories (wire rope set), packed for safe transport **Further perforation patterns/ dimensions available on request**	1,000 x 2,000 x 80 mm (Visible dimensions)	1 piece

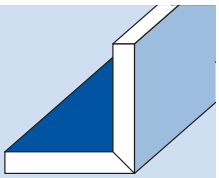
Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Available V-grooves



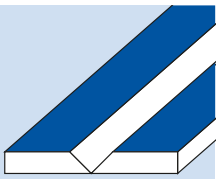
VoglFalt-Fix

Fold Fix moulded components come flat (space-saving) and factory-supplied with VoglFalt-Fix adhesive tape.



glued

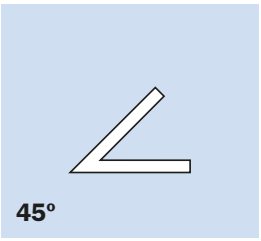
Special glued moulded components come ready to install.



unglued

Special unglued moulded components come flat and must be assembled and glued on-site.

Available angles



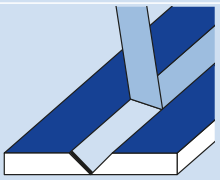
Other angles on request

Available edge designs (subject to technical feasibility)

VK	HRAK	AK	RK	FK	SK	PU	KU	lamella
full edge	half-round flattened edge	flattened edge	round edge	chamfered edge	cut edge	paper-clad edge	cardboard-clad edge	lamella edge

Available panel designs/thicknesses

Type	Description	Performance	Thickness in mm
A	Plasterboard type A as per EN 520 Plasterboard type GKB as per DIN 18180	Standard plasterboard Note: Available in 10 mm thickness as Thermotec panel or Thermotec panel PLUS (containing graphite)	6.5 mm 9.5 mm 10.0 mm 12.5 mm
DF	Plasterboard type DF as per EN 520 Plasterboard type GKF as per DIN 18180	Plasterboards with improved fire behaviour	12.5 mm 15.0 mm 18.0 mm 20.0 mm 25.0 mm
DFH2	Plasterboard type DFH2 as per EN 520 Plasterboard type GKFI as per DIN 18180	Plasterboards with reduced water absorption (impregnated)	12.5 mm 15.0 mm 20.0 mm 25.0 mm
GM-FH1I	Plasterboard type GM-FH1I as per DIN EN 15283-1	Waterproofed special panel for use in damp rooms	12.5 mm

Illustration	Item number	Description	Dimensions width length thickness	m/pallet pcs./pallet
		VoglFalt-Fix moulded components Plasterboards cut to size with 90° V-grooves and VoglFalt-Fix adhesive tape	Type of panel Type "A" (EN 520) Custom dimensions and other panel types available on request	
 **VoglFalt-Fix**	FT-00100	VoglFalt-Fix moulded components 90° 100+200	300 x 2,000 x 12.5 mm	400 m/pallet 200 pcs./pallet
	FT-00101	VoglFalt-Fix moulded components 90° 200+200	400 x 2,000 x 12.5 mm	300 m/pallet 150 pcs./pallet
	FT-00102	VoglFalt-Fix moulded components 90° 300+300	600 x 2,000 x 12.5 mm	200 m/pallet 100 pcs./pallet
	FT-00103	VoglFalt-Fix moulded components 90° 200+400	600 x 2,000 x 12.5 mm	200 m/pallet 100 pcs./pallet

1 Delivered flat

2 Remove cover paper

3 Press limbs firmly together

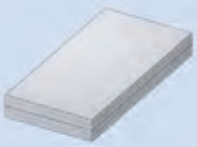
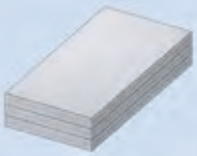
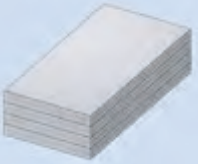
4 Done!

Key advantages:

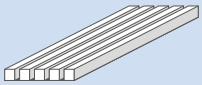
- Glueless joining of moulded components on site, no priming, no drying times
- Easy on-site handling of moulded components
- High adhesive strength immediately
- Angle adjustment of ± 2° after adhesion
- Delivered flat–less handling damage

Note:

VoglFalt-Fix moulded components must be installed without any stresses acting upon them.
The free limb must always be fixated.

		GK panel strips Glued plasterboards as moving ceiling connection Long edge: SK Short edge: SK	Type of panel Type "A" (EN 520) Custom dimensions available on request	
	FT-00201	Panel strips (double)	50 x 2,500 x 25.0 mm	1,260 m/pallet 504 pcs./pallet
	FT-00202	Panel strips (double)	75 x 2,500 x 25.0 mm	880 m/pallet 352 pcs./pallet
	FT-00203	Panel strips (double)	100 x 2,500 x 25.0 mm	690 m/pallet 276 pcs./pallet
	FT-00204	Panel strips (triple)	50 x 2,500 x 37.5 mm	840 m/pallet 336 pcs./pallet
	FT-00205	Panel strips (triple)	75 x 2,500 x 37.5 mm	560 m/pallet 224 pcs./pallet
	FT-00206	Panel strips (triple)	100 x 2,500 x 37.5 mm	450 m/pallet 180 pcs./pallet
	FT-00207	Panel strips (quadruple)	50 x 2,500 x 50.0 mm	600 m/pallet 240 pcs./pallet
	FT-00208	Panel strips (quadruple)	75 x 2,500 x 50.0 mm	440 m/pallet 176 pcs./pallet
	FT-00209	Panel strips (quadruple)	100 x 2,500 x 50.0 mm	330 m/pallet 132 pcs./pallet

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Illustration	Item number	Description	Dimensions width length thickness	m/pallet pcs./pallet
		Microslits (longitudinal slits) of type "A" plasterboards (EN 520) 12.5 mm for on-site adaptation to round components with tight radii		ME = 1 m
	101706 101707	Microslits (longitudinal slits) Microslits (longitudinal slits) Plaster strip: 5.0 mm Groove: 1.7 mm For radii ≥ 80.0 mm	1,250 x 2,000 x 12.5 mm 600 x 2,000 x 12.5 mm	Packed in bulk according to required quantity

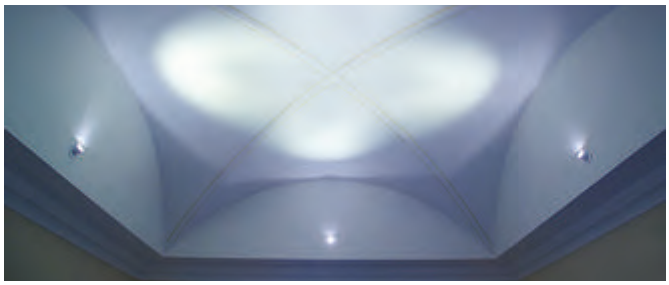
Other thicknesses, lengths and qualities on request. Longitudinal, unslit edge to the left and/or right possible on request. Custom elements possible.

Find further moulded components on page 145 et seq.

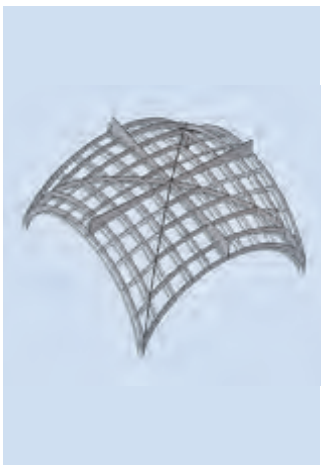
Perfect design available ex factory

Three-dimensional ceiling designs with curved components are the royal class in sophisticated interior design.
Various types of arches, domes or curved segments as well as convex or concave forms require a high level of craftsmanship.

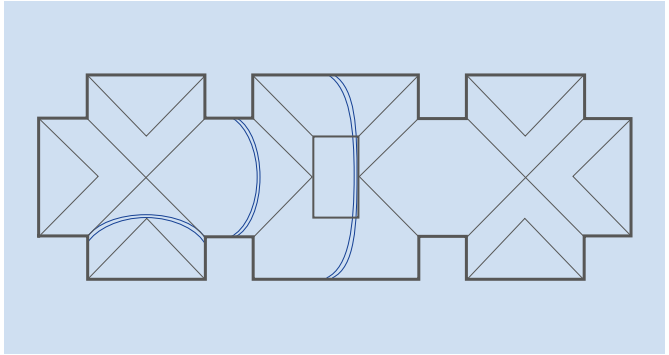
Vogl Deckensysteme achieves the basis for the complex interaction between individual steel and plaster components through comprehensive expertise and absolute precision in detail.



- High dimensional accuracy of all individual parts guarantees the aesthetic final results
- Complex two- and three dimensional shapes can be produced
- Economical installation provides an important time advantage and result reliability
- Manageable units for optimal logistics and handling on the job site
- Our knowledge of the manifold options of applications is the key to success, starting right at the initial planning stage
- Customised special solutions from lightweight steel construction to individual covering are realised in short time

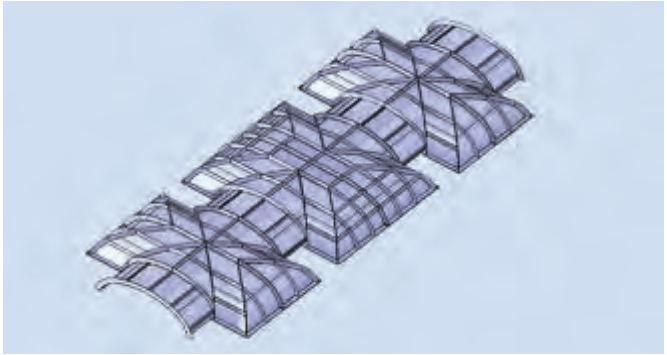


Customer drawing:



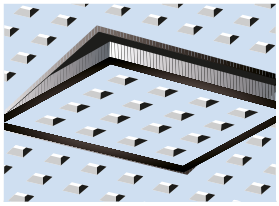
We receive the drawing from the customer and work out every detail precisely.

Vogl detailed drawing:

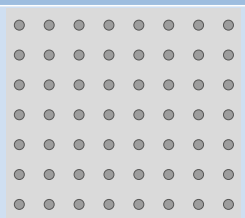
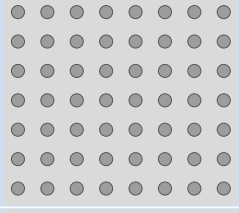
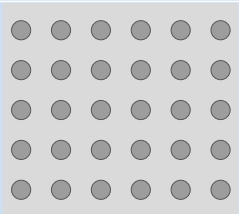
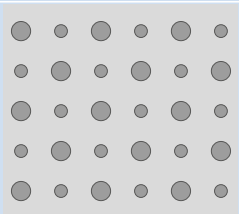
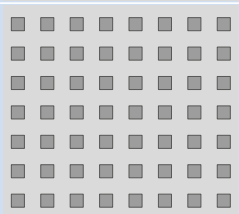
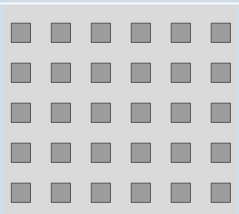


Then, we create a 3D model that serves as a template for production.

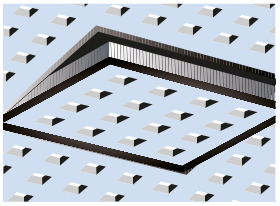
Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com



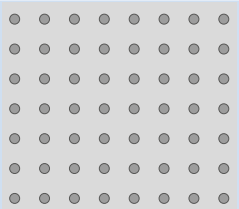
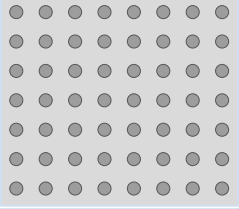
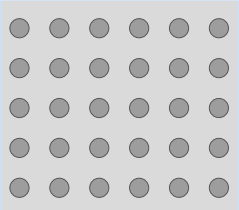
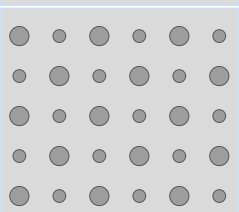
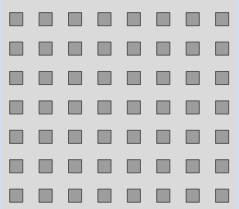
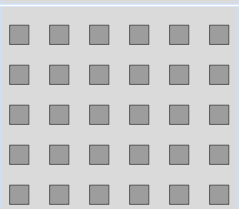
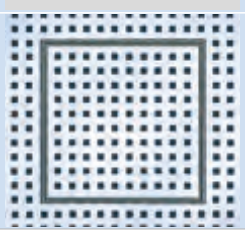
Vogl Access Panels are the perfect technical solution for quickly adding accessible openings into perforated ceilings. The perforated panel insert precisely factory-fitted into the opening frame is lined with black acoustic fleece for high acoustic performance. The specified standard articles are designed for a panel thickness of 12.5 mm.

Illustration	Item number	Description	Access opening dimensions
	REVI-00006	Access panel, aluminium, 6/18R, black acoustic fleece	approx. 200 x 200 mm
	REVI-00001	Access panel, aluminium, 6/18R, black acoustic fleece	approx. 300 x 300 mm
	REVI-00002	Access panel, aluminium, 6/18R, black acoustic fleece	approx. 400 x 400 mm
	REVI-00003	Access panel, aluminium, 6/18R, black acoustic fleece	approx. 500 x 500 mm
	REVI-00004	Access panel, aluminium, 6/18R, black acoustic fleece	approx. 600 x 600 mm
	REVI-00005	Access panel, aluminium, 6/18R, black acoustic fleece	approx. 400 x 600 mm
	REVI-00012	Access panel, aluminium, 8/18R, black acoustic fleece	approx. 200 x 200 mm
	REVI-00007	Access panel, aluminium, 8/18R, black acoustic fleece	approx. 300 x 300 mm
	REVI-00008	Access panel, aluminium, 8/18R, black acoustic fleece	approx. 400 x 400 mm
	REVI-00009	Access panel, aluminium, 8/18R, black acoustic fleece	approx. 500 x 500 mm
	REVI-00010	Access panel, aluminium, 8/18R, black acoustic fleece	approx. 600 x 600 mm
	REVI-00011	Access panel, aluminium, 8/18R, black acoustic fleece	approx. 400 x 600 mm
	REVI-00018	Access panel, aluminium, 12/25R, black acoustic fleece	approx. 200 x 200 mm
	REVI-00013	Access panel, aluminium, 12/25R, black acoustic fleece	approx. 300 x 300 mm
	REVI-00014	Access panel, aluminium, 12/25R, black acoustic fleece	approx. 400 x 400 mm
	REVI-00015	Access panel, aluminium, 12/25R, black acoustic fleece	approx. 500 x 500 mm
	REVI-00016	Access panel, aluminium, 12/25R, black acoustic fleece	approx. 600 x 600 mm
	REVI-00017	Access panel, aluminium, 12/25R, black acoustic fleece	approx. 400 x 600 mm
	REVI-00024	Access panel, aluminium, 8/12/50R, black acoustic fleece	approx. 200 x 200 mm
	REVI-00019	Access panel, aluminium, 8/12/50R, black acoustic fleece	approx. 300 x 300 mm
	REVI-00020	Access panel, aluminium, 8/12/50R, black acoustic fleece	approx. 400 x 400 mm
	REVI-00021	Access panel, aluminium, 8/12/50R, black acoustic fleece	approx. 500 x 500 mm
	REVI-00022	Access panel, aluminium, 8/12/50R, black acoustic fleece	approx. 600 x 600 mm
	REVI-00023	Access panel, aluminium, 8/12/50R, black acoustic fleece	approx. 400 x 600 mm
	REVI-00030	Access panel, aluminium, 8/18Q, black acoustic fleece	approx. 200 x 200 mm
	REVI-00025	Access panel, aluminium, 8/18Q, black acoustic fleece	approx. 300 x 300 mm
	REVI-00026	Access panel, aluminium, 8/18Q, black acoustic fleece	approx. 400 x 400 mm
	REVI-00027	Access panel, aluminium, 8/18Q, black acoustic fleece	approx. 500 x 500 mm
	REVI-00028	Access panel, aluminium, 8/18Q, black acoustic fleece	approx. 600 x 600 mm
	REVI-00029	Access panel, aluminium, 8/18Q, black acoustic fleece	approx. 400 x 600 mm
	REVI-00036	Access panel, aluminium, 12/25Q, black acoustic fleece	approx. 200 x 200 mm
	REVI-00031	Access panel, aluminium, 12/25Q, black acoustic fleece	approx. 300 x 300 mm
	REVI-00032	Access panel, aluminium, 12/25Q, black acoustic fleece	approx. 400 x 400 mm
	REVI-00033	Access panel, aluminium, 12/25Q, black acoustic fleece	approx. 500 x 500 mm
	REVI-00034	Access panel, aluminium, 12/25Q, black acoustic fleece	approx. 600 x 600 mm
	REVI-00035	Access panel, aluminium, 12/25Q, black acoustic fleece	approx. 400 x 600 mm
	REVI-00078	Access panel, aluminium, non-perforated plasterboard insert	approx. 200 x 200 mm
	REVI-00073	Access panel, aluminium, non-perforated plasterboard insert	approx. 300 x 300 mm
	REVI-00074	Access panel, aluminium, non-perforated plasterboard insert	approx. 400 x 400 mm
	REVI-00075	Access panel, aluminium, non-perforated plasterboard insert	approx. 500 x 500 mm
	REVI-00076	Access panel, aluminium, non-perforated plasterboard insert	approx. 600 x 600 mm
	REVI-00077	Access panel, aluminium, non-perforated plasterboard insert	approx. 400 x 600 mm

Further perforation patterns available on request!



Vogl Access panels are the perfect technical solution for quickly adding accessible openings into perforated ceilings. The perforated panel insert precisely factory-fitted into the opening frame is lined with white acoustic fleece for high acoustic performance. The specified standard articles are designed for a panel thickness of 12.5 mm.

Illustration	Item number	Description	Access opening dimensions
	REVI-00042	Access panel, aluminium, 6/18R, white acoustic fleece	approx. 200 x 200 mm
	REVI-00037	Access panel, aluminium, 6/18R, white acoustic fleece	approx. 300 x 300 mm
	REVI-00038	Access panel, aluminium, 6/18R, white acoustic fleece	approx. 400 x 400 mm
	REVI-00039	Access panel, aluminium, 6/18R, white acoustic fleece	approx. 500 x 500 mm
	REVI-00040	Access panel, aluminium, 6/18R, white acoustic fleece	approx. 600 x 600 mm
	REVI-00041	Access panel, aluminium, 6/18R, white acoustic fleece	approx. 400 x 600 mm
	REVI-00048	Access panel, aluminium, 8/18R, white acoustic fleece	approx. 200 x 200 mm
	REVI-00043	Access panel, aluminium, 8/18R, white acoustic fleece	approx. 300 x 300 mm
	REVI-00044	Access panel, aluminium, 8/18R, white acoustic fleece	approx. 400 x 400 mm
	REVI-00045	Access panel, aluminium, 8/18R, white acoustic fleece	approx. 500 x 500 mm
	REVI-00046	Access panel, aluminium, 8/18R, white acoustic fleece	approx. 600 x 600 mm
	REVI-00047	Access panel, aluminium, 8/18R, white acoustic fleece	approx. 400 x 600 mm
	REVI-00054	Access panel, aluminium, 12/25R, white acoustic fleece	approx. 200 x 200 mm
	REVI-00049	Access panel, aluminium, 12/25R, white acoustic fleece	approx. 300 x 300 mm
	REVI-00050	Access panel, aluminium, 12/25R, white acoustic fleece	approx. 400 x 400 mm
	REVI-00051	Access panel, aluminium, 12/25R, white acoustic fleece	approx. 500 x 500 mm
	REVI-00052	Access panel, aluminium, 12/25R, white acoustic fleece	approx. 600 x 600 mm
	REVI-00053	Access panel, aluminium, 12/25R, white acoustic fleece	approx. 400 x 600 mm
	REVI-00060	Access panel, aluminium, 8/12/50R, white acoustic fleece	approx. 200 x 200 mm
	REVI-00055	Access panel, aluminium, 8/12/50R, white acoustic fleece	approx. 300 x 300 mm
	REVI-00056	Access panel, aluminium, 8/12/50R, white acoustic fleece	approx. 400 x 400 mm
	REVI-00057	Access panel, aluminium, 8/12/50R, white acoustic fleece	approx. 500 x 500 mm
	REVI-00058	Access panel, aluminium, 8/12/50R, white acoustic fleece	approx. 600 x 600 mm
	REVI-00059	Access panel, aluminium, 8/12/50R, white acoustic fleece	approx. 400 x 600 mm
	REVI-00066	Access panel, aluminium, 8/18Q, white acoustic fleece	approx. 200 x 200 mm
	REVI-00061	Access panel, aluminium, 8/18Q, white acoustic fleece	approx. 300 x 300 mm
	REVI-00062	Access panel, aluminium, 8/18Q, white acoustic fleece	approx. 400 x 400 mm
	REVI-00063	Access panel, aluminium, 8/18Q, white acoustic fleece	approx. 500 x 500 mm
	REVI-00064	Access panel, aluminium, 8/18Q, white acoustic fleece	approx. 600 x 600 mm
	REVI-00065	Access panel, aluminium, 8/18Q, white acoustic fleece	approx. 400 x 600 mm
	REVI-00072	Access panel, aluminium, 12/25Q, white acoustic fleece	approx. 200 x 200 mm
	REVI-00067	Access panel, aluminium, 12/25Q, white acoustic fleece	approx. 300 x 300 mm
	REVI-00068	Access panel, aluminium, 12/25Q, white acoustic fleece	approx. 400 x 400 mm
	REVI-00069	Access panel, aluminium, 12/25Q, white acoustic fleece	approx. 500 x 500 mm
	REVI-00070	Access panel, aluminium, 12/25Q, white acoustic fleece	approx. 600 x 600 mm
	REVI-00071	Access panel, aluminium, 12/25Q, white acoustic fleece	approx. 400 x 600 mm
		Access panel, aluminium Custom models: Custom dimensions, single and double flap design, integrated cable duct When ordering, please specify size of access opening and desired perforation pattern	

Further perforation patterns available on request!

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Illustration	Item number	Description	Model	PU
	on request	VoglModu Quad A/P 1,000 x 1,000 mm DI VoglModu Quad A/P 1,000 x 1,000 mm DALI VoglModu Quad A/P 1,300 x 1,300 mm DI VoglModu Quad A/P 1,300 x 1,300 mm DALI VoglModu Quad A/P 1,600 x 1,600 mm DI VoglModu Quad A/P 1,600 x 1,600 mm DALI	Overall height: 170 mm Housing colour: white, similar to RAL 9010	1 pc./PU 1 pc./PU 1 pc./PU 1 pc./PU 1 pc./PU 1 pc./PU
	on request	VoglModu Quad A/P wire suspension 1,000 - 1,300 VoglModu Quad A/P wire suspension 160	1.5 m/suspension	4 pcs./PU 4 pcs./PU
	on request	VoglModu Round A/P 950 mm DI VoglModu Round A/P 950 mm DALI VoglModu Round A/P 1,250 mm DI VoglModu Round A/P 1,250 mm DALI VoglModu Round A/P 1,550 mm DI VoglModu Round A/P 1,550 mm DALI	Overall height: 170 mm Housing colour: white, similar to RAL 9010	1 pc./PU 1 pc./PU 1 pc./PU 1 pc./PU 1 pc./PU 1 pc./PU
	on request	VoglModu Round A/P wire suspension 950 - 1,250 VoglModu Round A/P wire suspension 1,550	1.5 m/suspension	4 pcs./PU 4 pcs./PU
	on request	VoglModu Round E 950 mm DI VoglModu Round E 950 mm DALI VoglModu Round E 1,250 mm DI VoglModu Round E 1,250 mm DALI VoglModu Round E 1,550 mm DI VoglModu Round E 1,550 mm DALI	Overall height: 200 mm	1 pc./PU 1 pc./PU 1 pc./PU 1 pc./PU 1 pc./PU 1 pc./PU

DI = Standard model, dimmable 1 - 10 V, for electronic ballasts

DALI = short for "Digital Addressable Lighting Interface" – the standardised digital interface for electronic ballasts. DALI intelligent light management offers many advantages.

All light modules come with light strips and diffuser foil, but without the appropriate illuminants.
For more information on installation and electric requirements, please refer to our technical documentation.

Our partner in the range of illuminated and stretch ceilings

You are planning, calculating or carrying out a project that includes both perforated plasterboard ceilings (or tiles, moulded elements, plaster ceilings, etc.) and illuminated ceilings?

Contact us and we will be glad to coordinate the interfaces with our partner Rentex for you. This way you will have only one contact partner for manifold, perfectly designed ceiling surfaces.

Since 1987, Rentex Wand- und Deckensysteme GmbH has been supporting architects, planners and project owners with system solutions for illuminated ceilings and walls from the design stage to the functional, inspected and approved luminous surface. Whether glass, foil or technical lighting fabric, Rentex has a broad range of profile systems for all diffusers to satisfy every design and structural requirement.

The spectrum of lighting and control technology ranges from manual dimmability to computer-aided daylight simulation and dynamic RGB colour mixing. The highlights are made-to-measure ceiling structures of foil, glass or fabric, unusual 3D shapes or complex systems with integrated ventilation, cooling and sound protection.

www.rentex-systeme.de

Vogl Stretch Ceilings offer almost unlimited freedom of design with:

- exciting surfaces and three-dimensional shapes
- contrasts between colours and degrees of gloss
- accentuated interaction of light and illumination
- more corporate design by using printed foils
- ideal combination possibilities in form, colour and performance with Vogl acoustic design ceilings

For several years, we have worked hand-in-hand with our partner Rentex in the field of illuminated and stretch ceilings.

This cooperation offers significant advantages for you:

- One contact partner who coordinates all interfaces for you
- Numerous design options by combining acoustic design ceiling, acoustic plaster ceiling, customised moulded components and illuminated/stretch ceiling
- You get the complete technical documentation and drawings from us
- We can find qualified specialist contractors for you

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

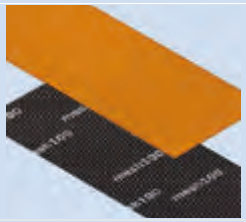
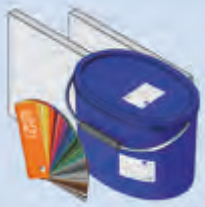
Illustration	Item number	Description	Dimensions	PU PU/pallet
 Illustration shows VoglFriestape-Set 50 mm	101748 101749 101750 101751 101752	VoglFriestape-Set 20 mm tape width 20 mm VoglFriestape-Set 50 mm tape width 50 mm VoglFriestape-Set 75 mm tape width 75 mm VoglFriestape-Set 100 mm tape width 100 mm VoglFriestape-Set 150 mm tape width 150 mm VoglFriestape-Set contains all tools and materials necessary for creating individual frieze areas.	2 rolls of tape 20 mm = 200 linm 3 rolls of tape 50 mm = 150 linm 2 rolls of tape 75 mm = 100 linm 1 roll of tape 100 mm = 50 linm 1 roll of tape 150 mm = 50 linm	1 PU = 1 set 72 PU/pallet 1 PU = 1 set 72 PU/pallet 1 PU = 1 set 72 PU/pallet 1 PU = 1 set 72 PU/pallet 1 PU = 1 set 72 PU/pallet
	101756	Connection pliers Sturdy connection pliers for quick and secure fixing of framework elements of up to 2 x 1 mm sheet thickness		1 PU = 1 piece
	101755 101193	Chamfer plane Ergonomic special chamfer plane made of a handy cast zinc housing and with exchangeable blades for quick chamfering of plasterboards 22° or 45° Replacement blades for chamfer plane		1 PU = 1 piece 1 PU = 100 pieces
	101224	Hand sander Body made of impact-resistant plastic, foam rubber sanding pad, wing screws to fasten abrasive mesh / sanding paper	240 x 80 mm	1 PU = 1 piece
	101226 101225	Sanding paper 100 grit Abrasive mesh 100 grit	280 x 115 mm 280 x 100 mm	1 PU = 100 sheets 1 PU = 10 sheets
	101793 101795 101794 101796	Double layer fleece VAD 32 black Self-adhesive fleece, black Double layer fleece VAD 62 black Self-adhesive fleece, black Double layer fleece VAD 32 white Self-adhesive fleece, white Double layer fleece VAD 62 white Self-adhesive fleece, white	Roll width 32 mm Roll length 200 m Roll width 62 mm Roll length 200 m Roll width 32 mm Roll length 200 m Roll width 62 mm Roll length 200 m	1 PU = 1 roll 60 PU/pallet 1 PU = 1 roll 60 PU/pallet 1 PU = 1 roll 60 PU/pallet 1 PU = 1 roll 60 PU/pallet

Illustration	Item number	Description	Dimensions	PU PU/pallet
	101201	Drywall saw Quick, safe cutting of plasterboards. Sharp point for easy penetration into the material, wooden handle	Blade length = 155 mm	1 PU = 1 piece
	101196	Round rasp Keyhole saw with plastic handle Diameter 4.8 mm	Blade length = 220 mm	1 PU = 1 piece
	101791	Bucket trowel With wooden handle, stainless steel blade	Trowel blade = 80 mm	1 PU = 1 piece 12 pcs./box
	101792	Screw head trowel With wooden handle, stainless steel blade, 2 holes for excess filling over screw heads (diameter 8 mm and 10 mm)	Trowel blade = 80 mm	1 PU = 1 piece
	101790	Screwdriver handle trowel Wooden handle with integrated screw bit PH2, stainless steel blade	Trowel blade = 150 mm	1 PU = 1 piece 10 pcs./box
	101753	Universal mixing paddle Sturdy mixing paddle (hot-dip galvanised) for use with power drills, 9 mm chuck	Diameter = 90 mm, shaft length = 390 mm	1 PU = 1 piece
	101779 101366 101220 101221	Joint sealing set, 3-piece Consisting of: tube, plunger, nozzle Spare parts for joint sealing set tube L = 210 mm plunger nozzle		1 PU = 1 set 50 sets/pallet 1 PU = 1 piece 1 PU = 1 piece 1 PU = 1 piece
	101758 101759 101760 101761 101762 101763	Perforation wheel 6/18R without handle Perforation wheel 8/18R without handle Perforation wheel 10/23R without handle Perforation wheel 12/25R without handle Perforation wheel 15/30R without handle Handle with knurled screw Attention when ordering: Order handle separately		1 PU = 1 piece 1 PU = 1 piece 1 PU = 1 piece 1 PU = 1 piece 1 PU = 1 piece 1 PU = 1 piece

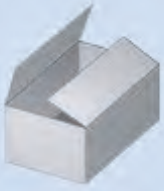
Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Illustration	Item number	Description	Dimensions/contents/ consumption	PU PU/pallet
	101783 101784 101785 101786 101787 101788 101789	Drilling template 6/18R Drilling template 8/18R Drilling template 10/23R Drilling template 12/25R Drilling template 15/30R Drilling template 8/12/50R Drilling template 12/20/66R Drilling templates made of stainless steel		1 PU = 1 piece 1 PU = 1 piece 1 PU = 1 piece 1 PU = 1 piece 1 PU = 1 piece 1 PU = 1 piece 1 PU = 1 piece
	101765 101767 101769 101771 101773 101775 101777	Mounting aid 6/18R set Mounting aid 8/18R/Q set Mounting aid 10/23R set Mounting aid 12/25R/Q set Mounting aid 15/30R set Mounting aid 8/12/50R set Mounting aid 12/20/66R set Consisting of: 2 x mounting aid		1 PU = 1 set 1 PU = 1 set 1 PU = 1 set 1 PU = 1 set 1 PU = 1 set 1 PU = 1 set 1 PU = 1 set
	101227	Vogl Supergrund primer LF 20 l Universal primer, absorbency regulating, free from solvents and softening agents, low-emission, free from active fogging substances	1 canister = 20 litres Consumption: approx. 0.15 l/m²	1 PU = 1 canister 24 canisters/pallet
	102324	Vogl ReadyFiller Joint compound as premixed material in tubular bag for quick filling of acoustic design panels with the Compound Seam or GSG4 Joint. One tubular bag is sufficient for approx. 8 m² of Compound Seam or 12 m² of GSG4 Joint. Smallest delivery unit: 1 PU (20 x tubular bag of 600 ml)	1 tubular bag = 600 ml Consumption: Approx. 50 ml/m² for GSG4 Joint Approx. 75 ml/m² for Compound Seam	1 PU = 20 tubular bags
	102592	Cartridge gun 600 ml for tubular bag		1 PU = 1 piece

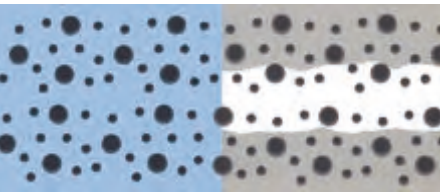
Illustration	Item number	Description	Dimensions/contents/ consumption	PU PU/pallet
	FA-00001	Vogl ceiling paint White Premium 15 l Very well covering indoor emulsion paint, free from solvents and softening agents, low-emission, wet abrasion class 3 as per EN 13300, white, free from active fogging substances, very high whiteness, dull matt	1 bucket = 15 litres Consumption: approx. 0.3 l/m² when applied in two operations	1 PU = 1 bucket 24 buckets/pallet
	FA-99999	Vogl ceiling paint Colormix Plus 15 l Well covering indoor emulsion paint, free from solvents and softening agents, low-emission, wet abrasion class 3 as per EN 13300, dull matt, free from active fogging substances; please specify colour of choice (RAL etc.) when ordering	1 bucket = 15 litres Consumption: approx. 0.3 l/m² when applied in two operations	1 PU = 1 bucket 24 buckets/pallet
	101233	VoglToptec plaster base fleece Special glass fibre fleece as plaster base for coating with acoustic plaster, non-combustible, crack-bridging, damp-proof, dimensionally stable, white colour	Roll width = 1,145 mm Roll length = 100 m	1 PU = 1 roll 15 rolls/pallet
	101235	VoglToptec plaster base fleece, small Special glass fibre fleece as plaster base for coating with acoustic plaster, non-combustible A2, crack-bridging, damp-proof, dimensionally stable, white colour. The handy-sized roll of plaster base fleece is especially suited for applying wallpaper in the perimeter/wall connection area as well as for custom solutions.	Roll width = 500 mm Roll length = 100 m	1 PU = 1 roll
	101232	VoglToptec special adhesive Ready-to-use dispersion adhesive, tested for harmful substances, for bonding plaster base fleece to perforated ceiling panels, free from solvents and softening agents, low-emission, free from active fogging substances, ready-mixed product	1 bucket = 16 kg Consumption: approx. 0.3 kg/m²	1 PU = 1 bucket 24 buckets/pallet
	PU-00001	VoglToptec Akustik Nano SF Decorative, open-pored, machine-applied acoustic plaster, very fine texture, grain size 0.5 - 0.8 mm, dull matt, high degree of whiteness, ready-mixed product	1 bucket = 18 kg Consumption: 2.7 - 3.0 kg/m²	1 PU = 1 bucket 24 buckets/pallet
	PU-00003	VoglToptec Akustik Color Nano SF Decorative, open-pored machine-applied acoustic plaster, very fine texture, grain size 0.5 - 0.8 mm, ready-mixed product; please specify colour of choice (RAL etc.) when ordering	1 bucket = 18 kg Consumption: 3.0 - 3.5 kg/m² *	1 PU = 1 bucket 24 buckets/pallet
	101234	VoglToptec wallpaper smoother Top-quality wallpaper smoother made of plastic suitable for wallpapering the plaster base fleece in the VoglToptec system		1 PU = 1 piece

*Note: Dark or special colour shades may lead to increased consumption. Actual quantities depend on the respective project.

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Illustration	Item number	Description	Dimensions	Unit
	101862	Europallets, charged Europool pallet, wood UIC standard 435/2	1,200 x 800 x 144 mm	1 piece
	102619	Europallets, exchanged Europool pallet, wood UIC standard 435/2	1,200 x 800 x 144 mm	1 piece
	101863	Panel pallet, charged Wooden panel pallet	2,000 x 1,250 x 115 mm	1 piece
	101866		2,500 x 1,250 x 115 mm	1 piece
	101869		3,000 x 1,250 x 115 mm	1 piece
	101886	Additional charges based on time and material used		1 piece
	101893	Surcharge – for sale of smaller pallet units		1 piece
	101894	Special palletising – acoustic design panels		1 piece
	101887	Plastic foil hood for Europallets PE foil hood		1 piece
	101889	Plastic foil hood for panel pallets PE foil hood		1 piece
	101890	Thermal protection hood for Europallets Frost-proof pallet packaging		1 piece
	102620	Proportional shipping costs Calculation of proportional shipping costs for net values less than the limit for delivery "free domicile"		1 piece
	101879	Unloading costs at ground level with forklift Truck-mounted forklift; calculation base: Per metric tonne of load, 15 minutes of forklift unloading included		1 piece
	102332	Unloading costs with crane at ground level Unloading with truck-mounted crane; on request		1 piece
	102333	Unloading costs with crane 18 m Unloading with truck-mounted crane; on request		1 piece
	102334	Unloading costs with crane 24 m Unloading with truck-mounted crane; on request		1 piece
	102335	Unloading costs with crane 27 m Unloading with truck-mounted crane; on request Calculation of minimum amount for 10 tonnes. An unloading time of 15 min. per tonne is included for cranes. Set-up time is part of unloading time. Unloading time > 15 min. will be charged additionally.		1 piece
	101895	Parcel service charges standard 48 h service*	* Specified door-to-door times only valid within Germany (mainland).	1 piece
	101896	Parcel service charges express 24 h service*		1 piece
	101897	Parcel service charges overnight – 10:30 a.m. fix*		1 piece
	101898	Parcel service charges overnight – 09:00 a.m. fix*		1 piece
interseroh Transportverpackung		Interseroh Recycling Certificate no. 32196 Our packaging materials are documented with Interseroh and will be collected and recycled by Interseroh partners on request. More information is available upon request		

VoglFuge



Ceilings
Without Filler

with air purification effect as a standard feature

Create perfect acoustic design ceilings
with the VoglFuge system

Ceilings without filler

Design acoustic ceilings meet the highest demands on performance and aesthetics for interior design. Particularly in highly frequented areas, such ceiling systems serve as sound absorbers, cooling elements and eye-catchers at the same time. For this reason, high precision in installation is particularly needed here. Unlike conventional ceiling solutions, errors in the installation are immediately visible in the finished product and seriously affect the final appearance.

This is where the VoglFuge system comes into play, allowing acoustic design ceilings to be implemented quickly, economically and with the utmost reliability during installation for guaranteed results.

Benefits of the VoglFuge system:

The unique joint technology offers maximum reliability for installation and finishes:

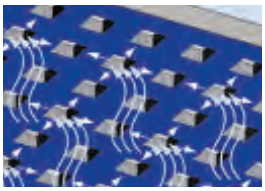
- Quick mounting of panels – “edge-to-edge”
- No more complex panel alignment
- Quickest possible joint finishing with our unique VoglFuge-strip
- Significant time saving due to quick installation and drying times
- Maximum crack resistance
- Less dust and moisture
- Always complete with the VoglFuge System Kit including perforated panel screws SN 3.5 x 30 mm

The VoglFuge System Kit includes the required material, tools and a detailed assembly instruction to ensure the top quality of workmanship and result.

The right tools at the right time in exactly the right place.

Our VoglFuge System Kit is only available in combination with Vogl acoustic design panels. It cannot be purchased separately.

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com



Vogl acoustic design ceilings of VoglFuge system are perforated ceiling panels with high acoustic performance and air purification effect (adsorption).

Black or white acoustic fleece backing (other fleece colours on request), four-side sharp-edged with undercut for installation using the quickest and most secure "edge-to-edge" laying principle.

Other available options: Acoustic design panels with non-perforated edges, block perforation, applications, manufacture in accordance with customer designs and ceiling plans.

Delivery includes VoglFuge System Kit (incl. perforated panel screws SN 3.5 x 30).

with air purification effect as a standard feature

Based on standard: EN 14190 "Gypsum plasterboard products from reprocessing"
Fire rating: A2-s1, d0 (non-flammable) according to EN 13501-1
Long edge: SK (sharp-edged)
Short edge: SK (sharp-edged)

tested for contaminants LGA

Illustration	Item number	Description	Details	m²/pallet Pcs./pallet
	LP-00256 LP-00258	Acoustic Design Panel VF 6/18R Acoustic fleece, black Acoustic Design Panel VF 6/18R Acoustic fleece, white	1,188 x 1,998 x 12.5 mm Perforated area: 8.7 % Mass: 9.1 kg/m²	59.3 m² 25 pieces
	LP-00262 LP-00264	Acoustic Design Panel VF 8/18R Acoustic fleece, black Acoustic Design Panel VF 8/18R Acoustic fleece, white	1,188 x 1,998 x 12.5 mm Perforated area: 15.5 % Mass: 8.5 kg/m²	59.3 m² 25 pieces
	LP-00268 LP-00270	Acoustic Design Panel VF 10/23R Acoustic fleece, black Acoustic Design Panel VF 10/23R Acoustic fleece, white	1,196 x 2,001 x 12.5 mm Perforated area: 14.8 % Mass: 8.5 kg/m²	59.8 m² 25 pieces
	LP-00274 LP-00276	Acoustic Design Panel VF 12/25R Acoustic fleece, black Acoustic Design Panel VF 12/25R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 18.1 % Mass: 8.2 kg/m²	60.0 m² 25 pieces
	LP-00280 LP-00282	Acoustic Design Panel VF 15/30R Acoustic fleece, black Acoustic Design Panel VF 15/30R Acoustic fleece, white	1,200 x 1,980 x 12.5 mm Perforated area: 19.6 % Mass: 8.0 kg/m²	59.4 m² 25 pieces
	LP-00286 LP-00288	Acoustic Design Panel VF 8/12/50R Acoustic fleece, black Acoustic Design Panel VF 8/12/50R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 13.1 % Mass: 8.7 kg/m²	60.0 m² 25 pieces
	LP-00292 LP-00294	Acoustic Design Panel VF 12/20/66R Acoustic fleece, black Acoustic Design Panel VF 12/20/66R Acoustic fleece, white	1,188 x 1,980 x 12.5 mm Perforated area: 19.6 % Mass: 8.0 kg/m²	58.8 m² 25 pieces
	LP-00298 LP-00300	Acoustic Design Panel VF 8/18Q Acoustic fleece, black Acoustic Design Panel VF 8/18Q Acoustic fleece, white	1,188 x 1,998 x 12.5 mm Perforated area: 19.8 % Mass: 8.0 kg/m²	59.3 m² 25 pieces
	LP-00304 LP-00306	Acoustic Design Panel VF 12/25Q Acoustic fleece, black Acoustic Design Panel VF 12/25Q Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 23.0 % Mass: 7.7 kg/m²	60.0 m² 25 pieces
	LP-00310 LP-00312	Acoustic Design Panel VF 8/15/20R Acoustic fleece, black Acoustic Design Panel VF 8/15/20R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 9.5 % Mass: 9.1 kg/m²	60.0 m² * 25 pieces
	LP-00316 LP-00318	Acoustic Design Panel VF 12/20/35R Acoustic fleece, black Acoustic Design Panel VF 12/20/35R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 11.0 % Mass: 8.9 kg/m²	60.0 m² * 25 pieces

*Note: Despite being perforated irregularly, random perforation panels still yield a certain linear layout as the abutting panel edges must be non-perforated in any case. This is unavoidable and independent of the workmanship of the specialist contractor.

Block slotting										
Design	Slotting	Slots per "block"		Rim* (unslotted)		Slot area (panel)	Panel dimensions (standard size)		Centre distance (secondary profile)	Edges
		Short	Long	Short (mm)	Long (mm)	%	Width mm	Length mm	mm	
4F	5/82/15.4SL	69	4	73.9	73.3	15.7	1,200	2,400	300	SK
8F	5/82/15.4SL	30	4	73.9	73.3	13.7	1,200	2,400	300	SK
8/16F	5/82/15.4SL	4 x 6	4	73.9	73.3	10.9	1,200	2,400	300	SK

*Edge dimensions refer to visible rim

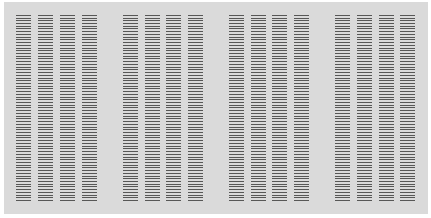
Block perforation										
Design	Perforation	Holes per "block"		Rim* (non-perforated)		Perforated area (panel)	Panel dimensions (standard size)		Centre distance (secondary profile)	Edges
		Short	Long	Short (mm)	Long (mm)	%	Width mm	Length mm	mm	
4F	8/18R	64	30	41	41	12.9	1,224	2,448	312.5	SK
	12/25R	45	21	44	44	14.9	1,200	2,400	300	SK
	12/25Q	45	21	44	44	18.9	1,200	2,400	300	SK
8F	8/18R	30	30	41	41	12.1	1,224	2,448	312.5	SK
	12/25R	21	21	44	44	13.9	1,200	2,400	300	SK
	12/25Q	21	21	44	44	17.7	1,200	2,400	300	SK
32F	8/18R	13	13	41	41	9.1	1,224	2,448	312.5	SK
	12/25R	9	9	44	44	10.2	1,200	2,400	300	SK
	12/25Q	9	9	44	44	13.0	1,200	2,400	300	SK

*Edge dimensions refer to visible rim

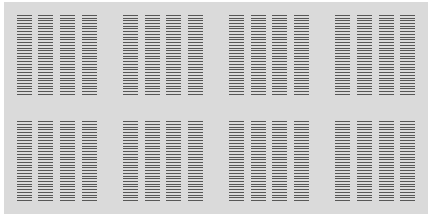
Diagrams represent visible side

Block slotting 4F

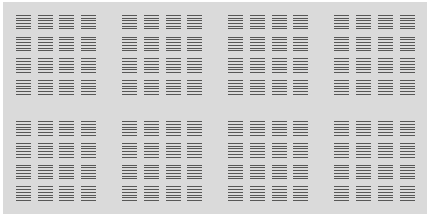
Short / Long



Block slotting 8F



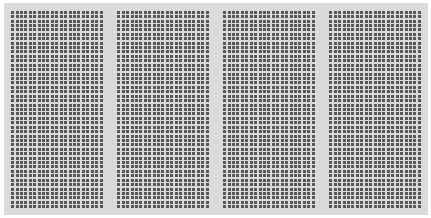
Block slotting 8/16F



Slotting only possible in longitudinal direction of the ceiling panels.

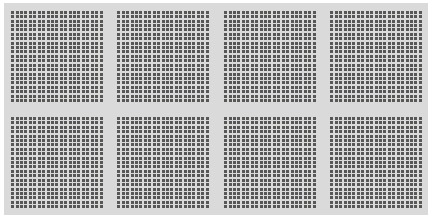
Block perforation 4F

Short / Long



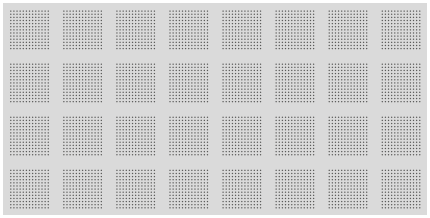
Example: 12/25Q

Block perforation 8F



Example: 12/25Q

Block perforation 32F

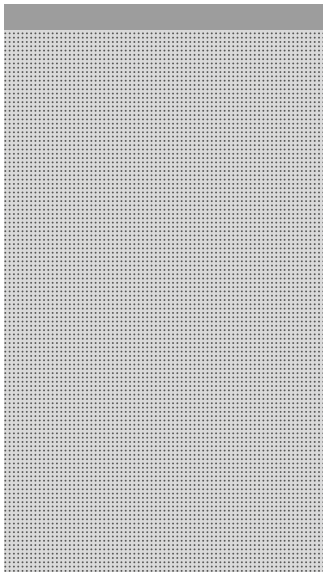


Example: 8/18R

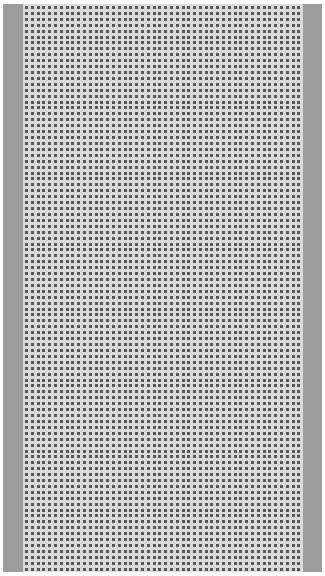
Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

VoglFuge panels with non-perforated edges

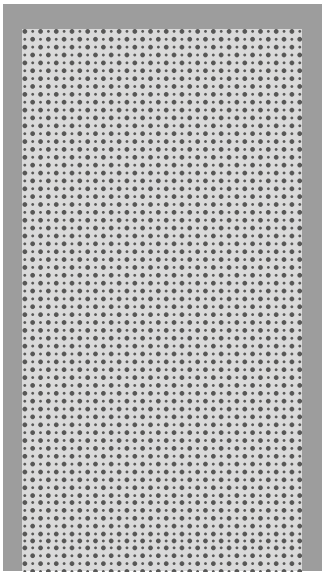
1 rim non-perforated



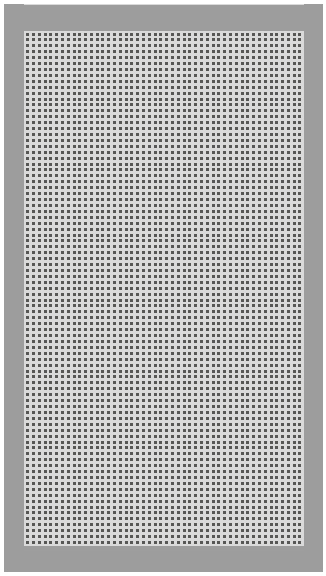
2 rims non-perforated



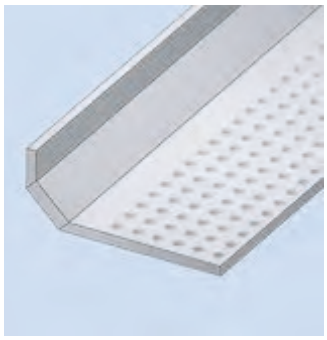
3 rims non-perforated



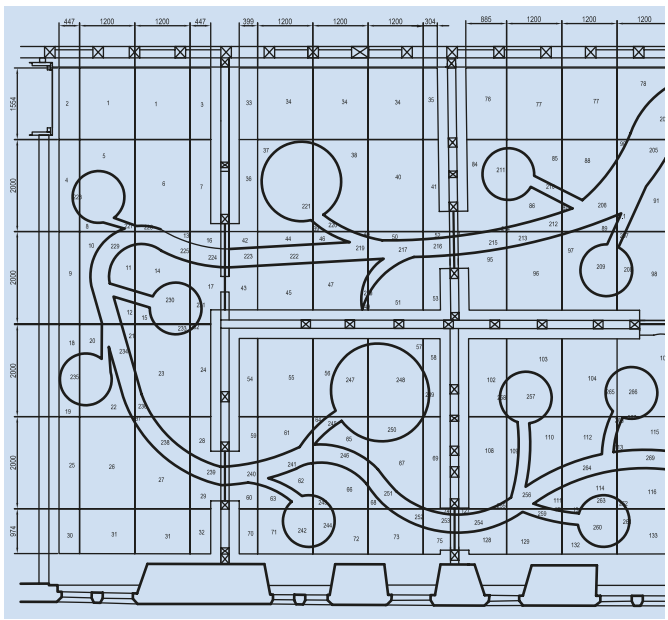
4 rims non-perforated



VoglFuge panels with moulded components attached



VoglFuge panels according to layout plan



You want a ceiling that features not only high acoustic performance, but also outstanding appearance?

We are glad to assist you! Our experts can adapt our acoustic design panels exactly to your desired ceiling surface.
When manufacturing ceiling systems to plan, we supply the custom-made and perfectly fitted acoustic design panels as well as a layout plan for use on the job site, thus ensuring reliable results for the installation. And of course, our moulded components, stretch ceilings and ceiling components can be perfectly integrated into your planned ceiling surface.

The primary profiles are hung from the structural soffit with suspended brackets using fixing materials approved by the relevant building authorities.
The centre distance and number of suspended brackets, as well as the fixation, are subject to site requirements and EN 13964/ DIN 18181. The CD 60/27 secondary profiles are attached to the CD 60/27 primary profiles using cross connectors.

CD 60/27 are extended using straight connectors. For primary grid profiles, always ensure that the joint is close to a suspended bracket (max. 100 mm). Joints should generally be staggered.

The plasterboards should be installed in accordance with EN 13964/ DIN 18181 and the manufacturer's guidelines.

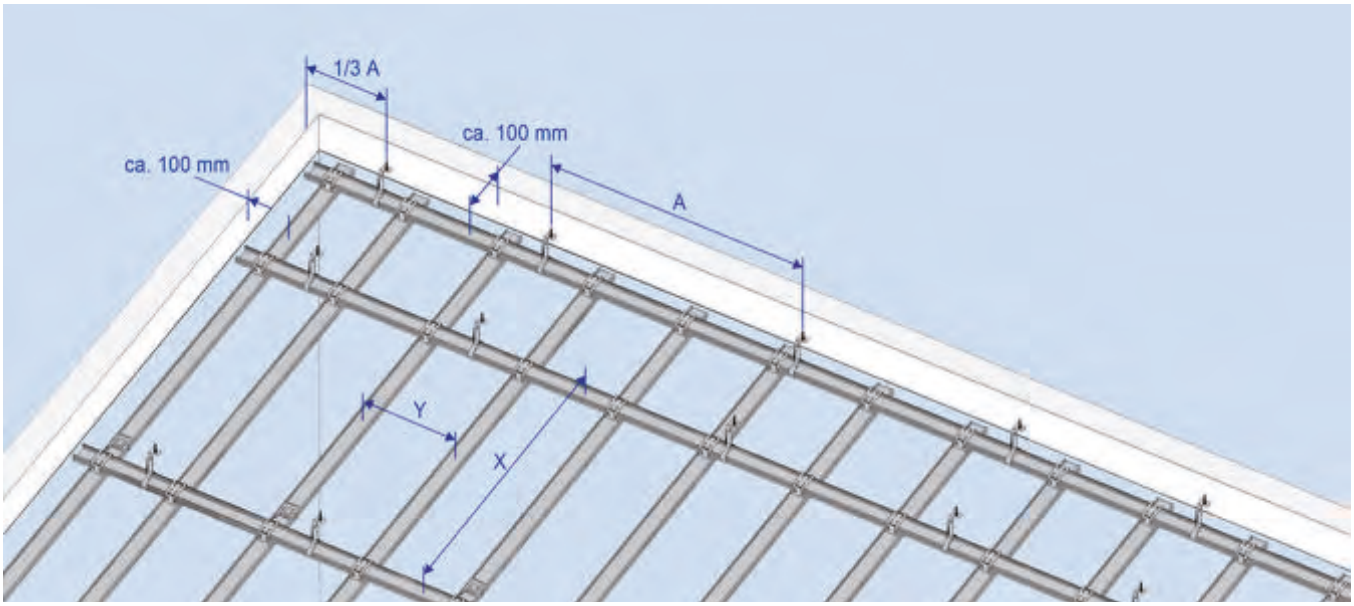
Additional items such as lighting, ventilation, sprinkler systems etc. must be individually suspended.

Any changes in the framework owing to integrated ceiling components must be considered.

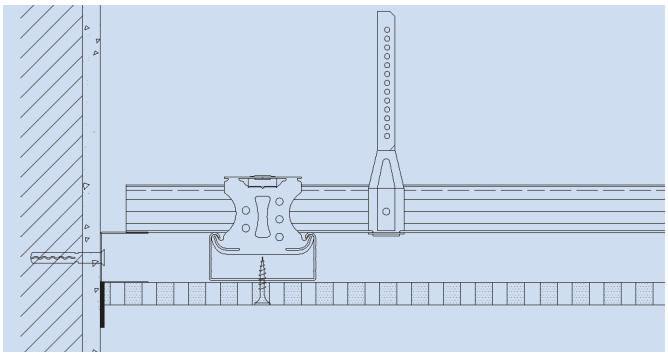
Block perforations and block slotting require different secondary profile centre distances which are shown in our tables on page 62.

VoglFuge framework								
Technical data	Unit	Perforated panel ceiling						
Panel thickness	mm	12.5						
Distributed load	kN/m²	≤ 0.15					≤ 0.30	
Centre distance of suspended bracket A	mm	1,150	1,050	1,000	950	900	900	750
Centre distance of primary profiles X	mm	600	800	900	1,000	1,100	600	1,000
Centre distance of secondary profiles Y	mm	see table below						

Item	Unit	Centre distance of secondary profiles Y
Acoustic Design Panel 6/18; 8/18; 8/18Q; 10/23; 12/25; 12/25Q; 8/12/50; 8/15/20; 12/20/35	mm	333
Acoustic Design Panel 15/30 12/20/66	mm	330

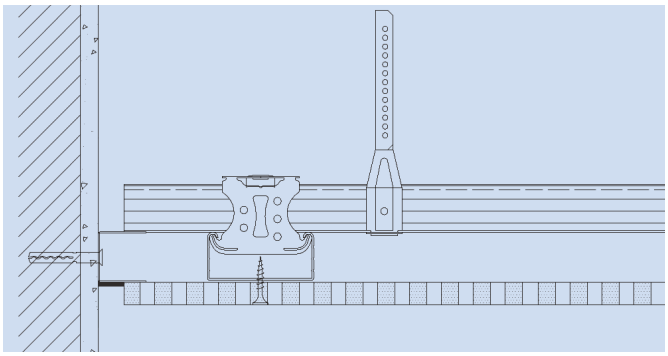


Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com



Wall connection with filled joint:

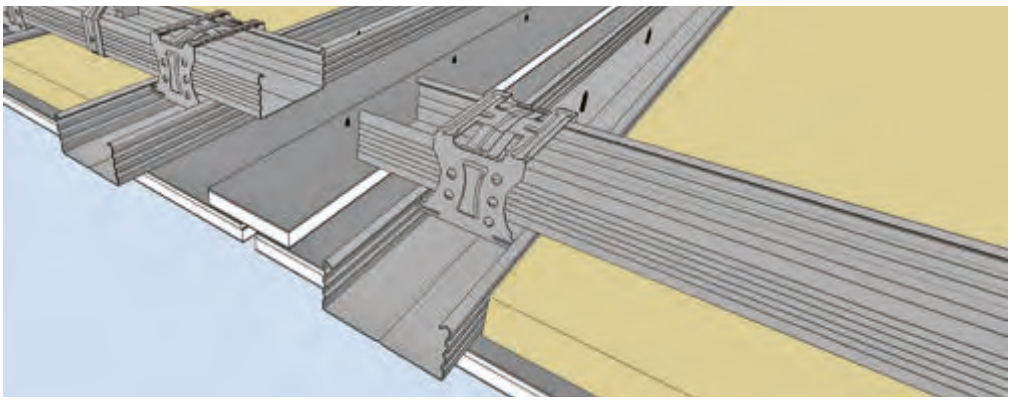
For filled wall connections, a double layer fleece strip is used to separate the acoustic ceiling from the wall.



Wall connection – shadow gap:

For wall connections with a shadow gap, the panel is only installed up to the UD profile as this may be covered with a strip of adhesive double layer fleece in order to colour the shadow gap.

Please contact us if you require additional technical details on possible wall connections.



Expansion joints:

To reduce the risk of cracking in the ceiling, expansion joints should be installed every 10 linear metres/100 m² of ceiling area.

The framework must be completely severed (see illustration) and the panel strips above the joint must be screwed down on one side only.

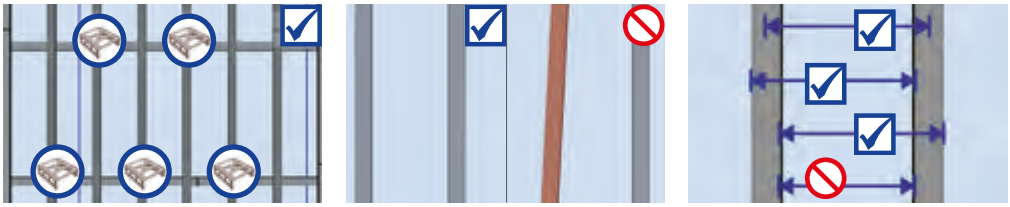
Tip: The panel strip may be covered with adhesive double layer fleece on the visible side if colouring the expansion joint in either black or white is desired.

Material required per m² based on a ceiling of 100 m² (10 m x 10 m, without loss or waste)

Metal framework, suspended bracket centre distance 1,000 mm, primary profile spacing 900 mm, secondary profile spacing 333 mm			
Item number	**Item description**	**Unit**	**Quantity**
Fixation			
Standard	Safety nail, DN 6 x 35	piece	1.3
Suspended brackets			
See product range	Direct suspended bracket 50/120/200 and	piece	1.3
100994	Tapping screw LN 3.5 x 9.5	piece	2.6
	or		
See product range	Vernier hanger / vernier bottom part and	piece	1.3
100981	Vernier security pin and	piece	1.3
See product range	Vernier top part, 200 - 2,000 mm, custom lengths on request	piece	1.3
Profiles and connectors			
See product range	CD profile 60/27/0.6 rK, l=XXX mm	m	4.1
PR0-00106	UD profile 28/27/0.6, 3,000 mm	m	0.4
101595	Connector, lengthwise, CD 60/27	piece	0.8
101567	Cross connector, CD 60/27	piece	3.3
100995	Perforated panel screw SN 3.5 x 30	piece	22

Check ceiling framework for rigidity and evenness (using a straight-edge).

Then check ceiling grid CD sections for centre distances and adjust, if necessary. Always mount straight connectors in a staggered manner (see figure). Measure centre distances accurately!



As viewed from entrance area, choose panel arrangement with short edges parallel to windows (main direction of light).

Locate centre of room to position first ceiling panel, also taking into account resulting ceiling perimeter to wall connections.

We recommend the following accessories for installation:
Perforated panel screws, including screw bit

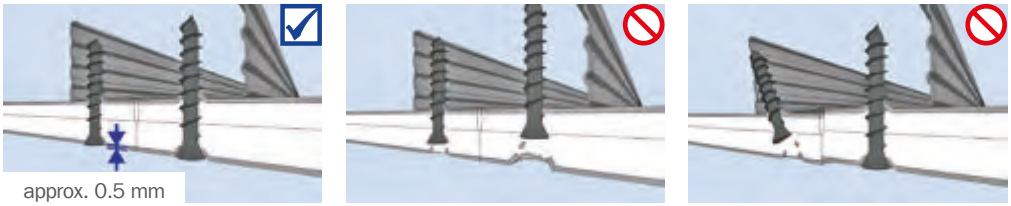
Correct handling of ceiling panels:

- Always take into account the load carrying capacity of the building when storing ceiling panels
- Do not store ceiling panels upright, but always flat on panel pallets
- Always carry ceiling panels with short edges upright
- Protect ceiling panels from moisture; relative humidity should be 40 - 80 %
- Avoid major temperature fluctuations
- Do not expose stored ceiling panels to direct sunlight

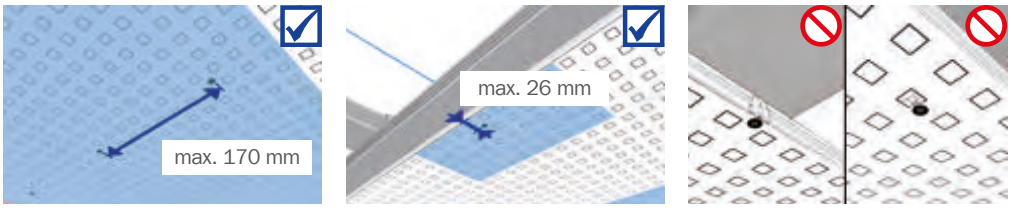
Get panel to correct position on framework using a panel lifter if working alone, or else another worker's help.

Perforation pattern	Centre distance
Straight round perforation 6/18, 8/18, 10/23, 12/25 Offset round perforation 8/12/50, Straight square perforation 8/18, 12/25, Random perforation 8/15/20, 12/20/35	333 mm
Straight round perforation 15/30 Offset round perforation 12/20/66	330 mm

Screws must be put into panel at right angles and countersunk head screwed down to 0.5 mm below visible surface of ceiling panel.



Screws should be spaced 170 mm at max. from fixing point to fixing point. Distance between screw and panel edge not to exceed 26 mm. Avoid damaging acoustic design panels by countersunk heads.



First, screw ceiling panel to framework in centre of panel, then lower panel lifter and fix a screw in centre of each short edge before finally screwing down long edges.

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

VoglFuge – Installation of Ceiling Panels

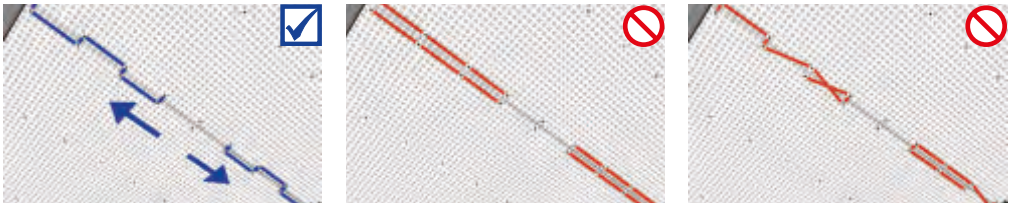
Take note of panel labelling (stamp) and mount in direction of reading (all stamps should point in same direction).

Use CD profile or straightedge as end stop. Position next panel by sliding it to first alongside CD profile / straightedge and fix in place.

General site conditions / Manufacturer's instructions:

- Take movement joints of building structure into account
- Plan to include expansion joints after approx. every 10 m or approx. 100 m²
- Cardboard layer must not be penetrated by screws, but merely displaced downwards
- Working temperature should be at least +10 °C and job site temperature not below +5 °C
- Place any damping (mineral wool layer) directly onto the ceiling panels
- Carry out any additional work on ceiling (access openings, lighting recesses) immediately after installing ceiling panels and always before finishing joints

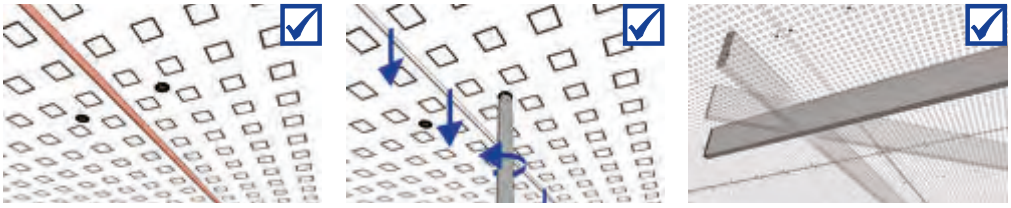
Fix screws in panel joint area using alternating pairs across panels ("zig-zag" principle), starting left or right next to screw which has already been fixed. This will create flush joint areas.



Install ceiling panels first lengthways, then crossways, resulting in cross arrangement on ceiling. Cover remaining areas in same manner, working from centre of room outwards.

Lay remaining ceiling panels edge-to-edge, always checking that joints are level and using "cross joint" system only.

After all panels have been installed, recheck that all joints are level and adjust, if necessary, using a screwdriver. Then check with a straightedge.



Place any damping layer directly onto back of ceiling panels.

Never screw into UD28 profile when mounting panels at ceiling perimeter.

Provide for expansion joint of 5 to 10 mm every 10 linear metres / 100 m².
Additional board strip above joint must be screwed down on one side only.

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

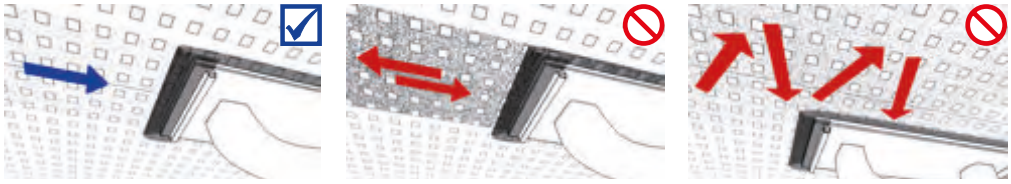
Important! All work that could result in damage to the ceiling surface must be completed before commencing jointing.

Check ceiling! Level out any height discrepancies in the panel joint areas using a screwdriver, if necessary repair any chips or damage to the plasterboard. Then spot fill screw heads in joint areas.

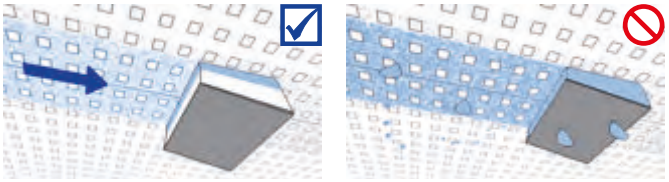
VoglFuge System Kit contents:

Vogl liquid glue, strip dispenser incl. 8 mm strip, sponge, mixing stick, roller grid, lambskin roller, abrasive mesh, sanding paper, Vogl screw head and repair filler, Japan spatula, perforated panel screws incl. bit

Use abrasive mesh to remove any protruding pieces of plasterboard in the joint area. Only sand in direction of joint.



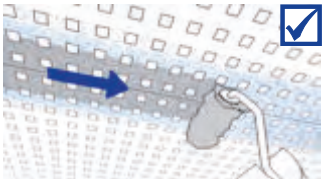
Slightly dampen joint area using a sponge, but avoid excessive wetting of acoustic design panels.



Ensure liquid joint coating is evenly distributed on lambskin roller by rolling downwards over roller grid supplied.

Vogl Liquid joint coating = ready mix

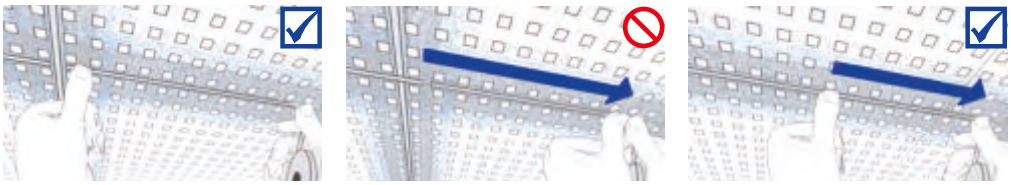
Apply liquid joint coating using lambskin roller. Fine texture of lambskin roller must be visible.



General site conditions / Manufacturer's instructions:

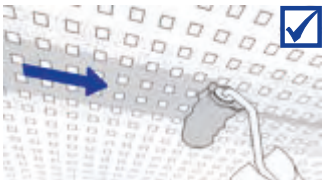
- Only store liquid joint coating in a ** frost free environment **
- Close liquid joint coating containers securely during long breaks
- Stir liquid joint coating well before use!
- Working temperature should be at least +10 °C and job site temperature not below +5 °C
- Avoid sudden heating and cooling of rooms
- Relative humidity: 40 - 80 %
- Ceiling framework must be installed level and be adequately rigid
- Self-levelling, cement or asphalt screeds must be fully dried – no residual moisture
- Jointing strips must only be applied "edge-to-edge", i.e. no overlapping

Fix strip with rubber side facing panel in middle of joint already wet with liquid coating. Using your left thumb press on the strip until the coating comes out from both sides of the strip, bringing your left thumb along the strip to meet your right thumb. Follow the same procedure for the next joint.

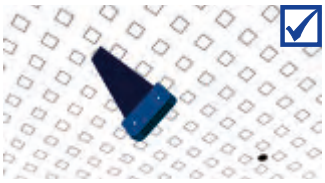


Subsequently coat joint area generously with liquid joint coating and roll lambskin roller over joint, applying slight pressure. Texture of lambskin roller must be clearly visible.

System's drying time: 12 h



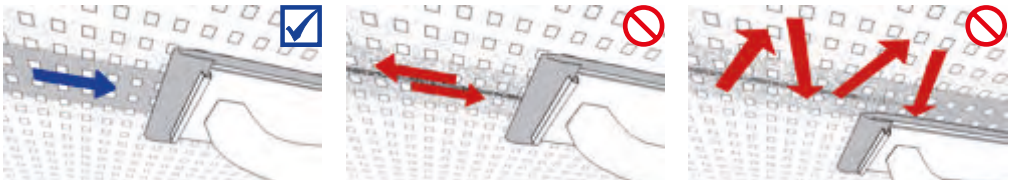
While joints are drying use time to fill remaining screw heads in panel centres using screw head and repair filler.



Surface treatment for painters (in accordance with ATV painting work DIN 18363):

- Only apply coating by roller; spray application is not permitted!
- Prior to application of paint coat, a primer should generally be applied in accordance with manufacturer's specifications
- The manufacturer's recommended drying times for both primer and finishing coat must be strictly observed
- Alkaline coatings are unsuitable for plasterboards
- 3 coats of paint must be applied (1 prime coat + 2 finishing coats), and recommended drying times adhered to
- System manufacturer's technical data sheets for primers and finishing coats must be observed

Once the joints have fully dried, gently sand the texture left by the lambskin roller using the sanding paper. Only sand in the direction of the joint: Do not cross sand!



Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Acoustic Design Panels
(with air purification effect) – VoglFuge system

Suspended ceiling structure, one side clad with Vogl acoustic design panels backed with sound absorbing fleece, mounted to a rigid ceiling framework of galvanised metal profiles, hung with flush and horizontally aligned suspended brackets and installed using fixing materials approved by the building authorities, installation in accordance with manufacturer's instructions, including all connection and jointing work as well as connection and fixing materials.

System structure

Framework in accordance with DIN 18181:2007-02

Profiles:

Pressure-resistant design made from galvanised sheet steel profiles CD 60/27 as primary and secondary profiles in accordance with EN 14195

Suspended brackets:

- Suspend with vernier systems (top part, vernier hanger)*
- Suspend with vernier systems (top / bottom part)*
- Suspend with direct suspended brackets*
- Use fixing materials approved by the relevant building authorities.

Connection:

For primary-secondary profile connection with cross connectors, use suspended brackets and cross connectors in accordance with EN 13964.

Suspended bracket centre distance: max. 900 mm,
Primary profile centre distance: max. 1,100 mm,
Secondary profile centre distance: 250/330/333 mm*

Covering:

Vogl acoustic design panels are perforated ceiling panels in accordance with EN 14190, with air purification effect, one layer 12.5 mm, laid edge-to-edge and fixed to the framework using perforated panel screws SN 30, with screw spacing max. 170 mm.

Perforation pattern / perforated area / mass per unit area:

- 6/18 round / 8.7 % / 9.1 kg/m²*
- 8/18 round / 15.5 % / 8.5 kg/m²*
- 10/23 round / 14.8 % / 8.5 kg/m²*
- 12/25 round / 18.1 % / 8.2 kg/m²*
- 15/30 round / 19.6 % / 8.0 kg/m²*
- 8/12/50 round / 13.1 % / 8.7 kg/m²*
- 12/20/66 round / 19.6 % / 8.0 kg/m²*
- 8/18 square / 19.8 % / 8.0 kg/m²*
- 12/25 square / 23.0 % / 7.7 kg/m²*
- 8/15/20 round / 9.5 % / 9.1 kg/m²*
- 12/20/35 round / 11.0 % / 8.9 kg/m²*

Distributed load:

- less than or equal to 0.15 kN/m²*
- less than or equal to 0.30 kN/m²*

Fleece backing:

Panels backed with sound absorbing fleece as:

- acoustic fleece, black*
- acoustic fleece, white*

Joint finishing / filling:

Fill screw heads using Vogl screw head and repair filler flush with surface. Carry out joint finishing using VoglFuge system in accordance with manufacturer's instructions.

Subbase:

Suspension height:	h = mm
Installation height:	h = mm
Room height:	h = mm
Insulation thickness:	th = mm

Complete system: Vogl Deckensysteme, or equivalent

* Delete as applicable

Visible Chamfer

Visible Joints
Clean Lines

with air purification effect as a standard feature

Quick panel assembly without joint filling

Easy, quick, reliable

Large-sized acoustic ceilings can finally be implemented completely without any joint finishing operations. The Visible Chamfer system from Vogl Deckensysteme now provides an economic solution for the acoustic design of particularly crack-prone ceilings. But the applicability of the Visible Chamfer is not limited to crack-prone areas; it can also be used to deliberately create a grid design of the ceiling which can, for instance, be mirrored in the greater room geometry. Gymnasiums with their extra-high ceilings now also benefit from a quick and clean solution that works without any joint finishing operations.

Benefits of the Visible Chamfer system:

The circumferential Visible Chamfer (2 x 2 mm) of the acoustic design ceiling enables fast and cost-efficient installation without joint finishing:

- Quick mounting of panels – "edge-to-edge"
- Significant time savings
- No joint finishing necessary
- Maximum crack resistance due to virtually jointless design
- With standard air purification effect
- Ceilings ready for painting within shortest time

Framework

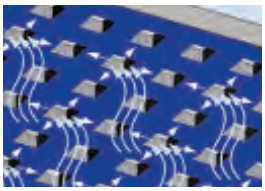
Ceiling panel

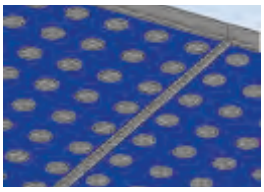
Finish

System-inherent reliability

Upon request, Vogl Deckensysteme will deliver all materials required to produce ceilings with finished surfaces. High-quality building materials from framework to finishing assure top results at the assembly site.

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com





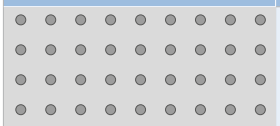
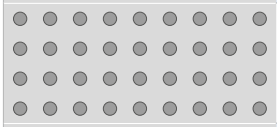
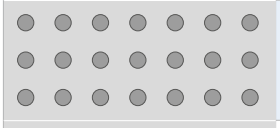
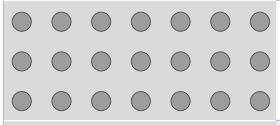
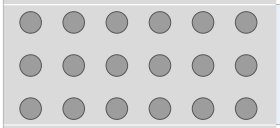
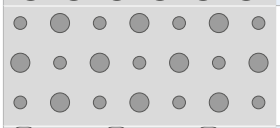
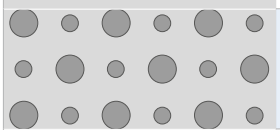
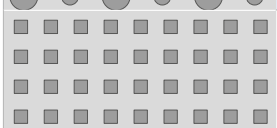
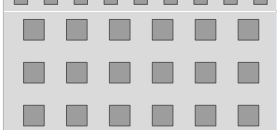
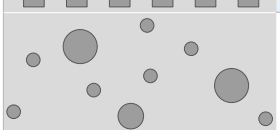
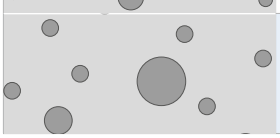
Vogl acoustic design panels of the Visible Chamfer system are perforated ceiling panels with high acoustic performance and air purification effect (adsorption).
Black or white acoustic fleece backing (other fleece colours on request), four-side as a Visible Chamfer for installation by means of the quickest and most reliable "edge-to-edge" installation principle.

Other available options: Acoustic design panels with non-perforated edges, block perforation, applications, manufacture in accordance with customer designs and ceiling plans.

with air purification effect as a standard feature

Based on standard: EN 14190 "Gypsum plasterboard products from reprocessing"
Fire rating: A2-s1, d0 (non-flammable) according to EN 13501-1
Long edge: Visible Chamfer 2 x 2 mm
Short edge: Visible Chamfer 2 x 2 mm

tested for contaminants LGA

Illustration	Item number	Description	Details	m²/pallet Pcs./pallet
	LP-00445 LP-00446	Acoustic Design Panel Visible Chamfer 6/18R Acoustic fleece, black Acoustic Design Panel Visible Chamfer 6/18R Acoustic fleece, white	1,188 x 1,998 x 12.5 mm Perforated area: 8.7 % Mass: 9.1 kg/m²	59.3 m² 25 pieces
	LP-00448 LP-00449	Acoustic Design Panel Visible Chamfer 8/18R Acoustic fleece, black Acoustic Design Panel Visible Chamfer 8/18R Acoustic fleece, white	1,188 x 1,998 x 12.5 mm Perforated area: 15.5 % Mass: 8.5 kg/m²	59.3 m² 25 pieces
	LP-00451 LP-00452	Acoustic Design Panel Visible Chamfer 10/23R Acoustic fleece, black Acoustic Design Panel Visible Chamfer 10/23R Acoustic fleece, white	1,196 x 2,001 x 12.5 mm Perforated area: 14.8 % Mass: 8.5 kg/m²	59.8 m² 25 pieces
	LP-00454 LP-00455	Acoustic Design Panel Visible Chamfer 12/25R Acoustic fleece, black Acoustic Design Panel Visible Chamfer 12/25R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 18.1 % Mass: 8.2 kg/m²	60.0 m² 25 pieces
	LP-00457 LP-00458	Acoustic Design Panel Visible Chamfer 15/30R Acoustic fleece, black Acoustic Design Panel Visible Chamfer 15/30R Acoustic fleece, white	1,200 x 1,980 x 12.5 mm Perforated area: 19.6 % Mass: 8.0 kg/m²	59.4 m² 25 pieces
	LP-00460 LP-00461	Acoustic Design Panel Visible Chamfer 8/12/50R Acoustic fleece, black Acoustic Design Panel Visible Chamfer 8/12/50R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 13.1 % Mass: 8.7 kg/m²	60.0 m² 25 pieces
	LP-00463 LP-00464	Acoustic Design Panel Visible Chamfer 12/20/66R Acoustic fleece, black Acoustic Design Panel Visible Chamfer 12/20/66R Acoustic fleece, white	1,188 x 1,980 x 12.5 mm Perforated area: 19.6 % Mass: 8.0 kg/m²	58.8 m² 25 pieces
	LP-00466 LP-00467	Acoustic Design Panel Visible Chamfer 8/18Q Acoustic fleece, black Acoustic Design Panel Visible Chamfer 8/18Q Acoustic fleece, white	1,188 x 1,998 x 12.5 mm Perforated area: 19.8 % Mass: 8.0 kg/m²	59.3 m² 25 pieces
	LP-00469 LP-00470	Acoustic Design Panel Visible Chamfer 12/25Q Acoustic fleece, black Acoustic Design Panel Visible Chamfer 12/25Q Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 23.0 % Mass: 7.7 kg/m²	60.0 m² 25 pieces
	LP-00472 LP-00473	Acoustic Design Panel Visible Chamfer 8/15/20R Acoustic fleece, black Acoustic Design Panel Visible Chamfer 8/15/20R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 9.5 % Mass: 9.1 kg/m²	60.0 m² * 25 pieces
	LP-00475 LP-00476	Acoustic Design Panel Visible Chamfer 12/20/35R Acoustic fleece, black Acoustic Design Panel Visible Chamfer 12/20/35R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 11.0 % Mass: 8.9 kg/m²	60.0 m² * 25 pieces

*Note: Despite being perforated irregularly, random perforation panels still yield a certain linear layout as the abutting panel edges must be non-perforated in any case. This is unavoidable and independent of the workmanship of the specialist contractor.

Primary profiles are rigidly hung from structural soffit with suspended brackets using fixing materials approved by the relevant building authorities. Centre distance and number of suspended brackets, as well as fixation, are subject to site requirements and EN 13964/ DIN 18181. CD 60/27 secondary profiles are attached to CD 60/27 primary profiles using cross connectors.

CD 60/27 are extended using straight connectors. For primary grid profiles, always ensure that joint is close to a suspended bracket (max. 100 mm). Joints should generally be staggered.

Plasterboards should be installed in accordance with EN 13964/ DIN 18181 and manufacturer's guidelines.

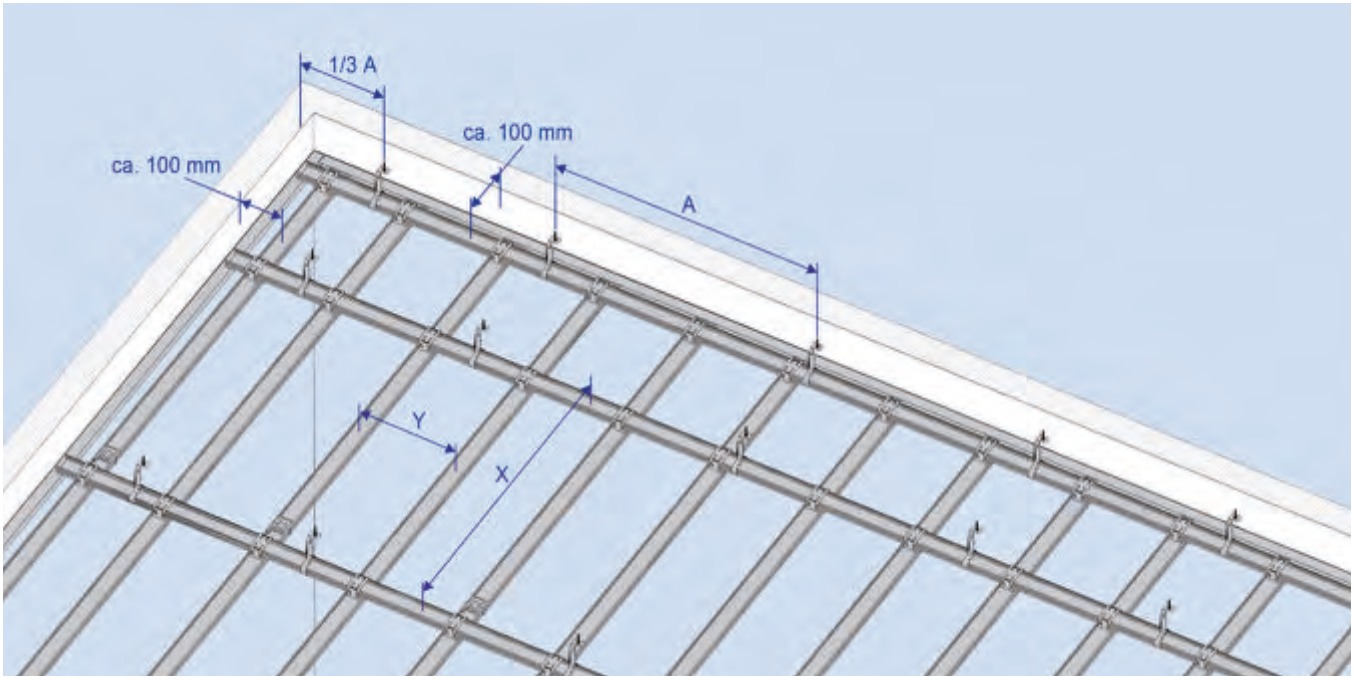
Additional items such as lighting, ventilation, sprinkler systems etc. must be individually suspended.

Any changes in the framework owing to integrated ceiling components must be considered.

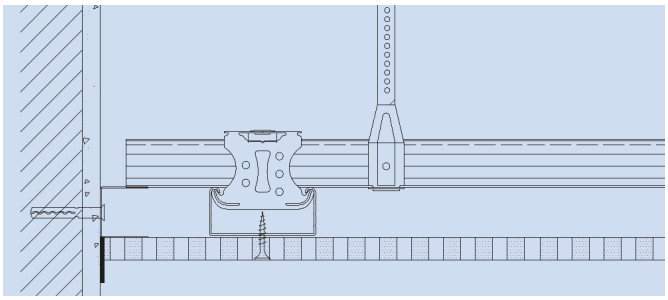
Block perforations and block slotting require different secondary profile centre distances which are shown in our tables.

Visible Chamfer framework								
Technical data	Unit	Perforated panel ceiling						
Panel thickness	mm	12.5						
Distributed load	kN/m²	≤ 0.15					≤ 0.30	
Centre distance of suspended bracket A	mm	1,150	1,050	1,000	950	900	900	750
Centre distance of primary profiles X	mm	600	800	900	1,000	1,100	600	1,000
Centre distance of secondary profiles Y	mm	see table below						

Item	Unit	Centre distance of secondary profiles Y
Acoustic Design Panel 6/18; 8/18; 8/18Q; 10/23; 12/25; 12/25Q; 8/12/50; 8/15/20; 12/20/35	mm	333
Acoustic Design Panel 15/30; 12/20/66	mm	330

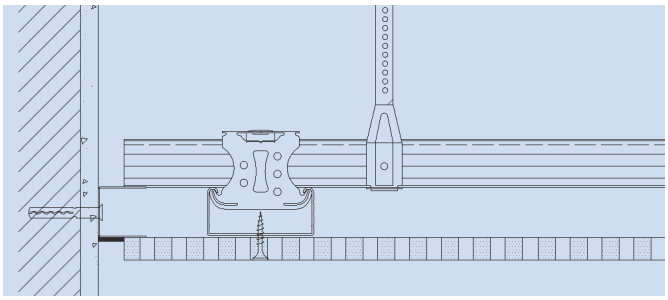


Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com



Wall connection – rigid:

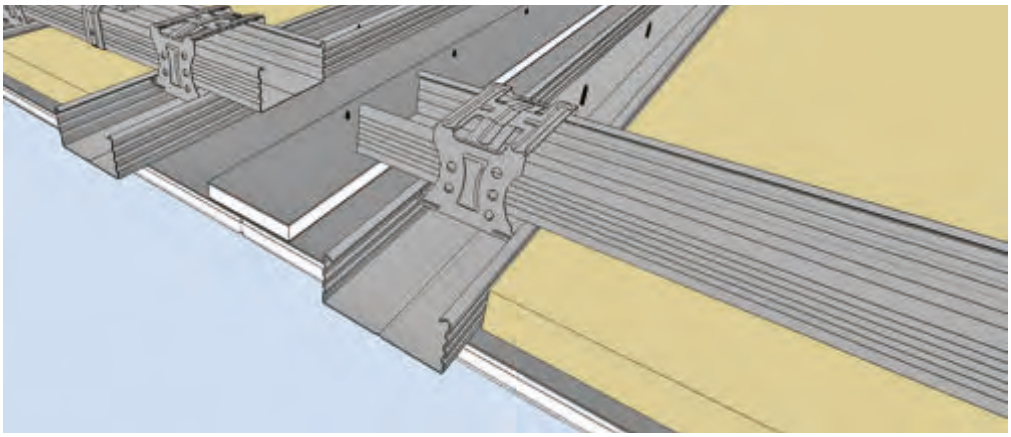
For rigid wall connections, a double layer fleece strip is used to separate acoustic ceiling from wall.



Wall connection – shadow gap:

For wall connections with a shadow gap, the panel is only installed up to the UD profile as this may be covered with a strip of adhesive double layer fleece in order to colour the shadow gap.

Please contact us if you require additional technical details on possible wall connections.



Expansion joints:

To prevent cracking in the ceiling surface, expansion joints have to be provided every 15 linear metres / 150 m² of the ceiling area.

The framework must be completely severed (see illustration) and the panel strips above the joint fixed to one side of the ceiling structure only.

Tip: The panel strip may be covered with adhesive double layer fleece on the visible side if colouring the expansion joint in either black or white is desired.

Material required per m² based on a ceiling of 100 m² (10 m x 10 m, not considering loss or waste, approximate values):

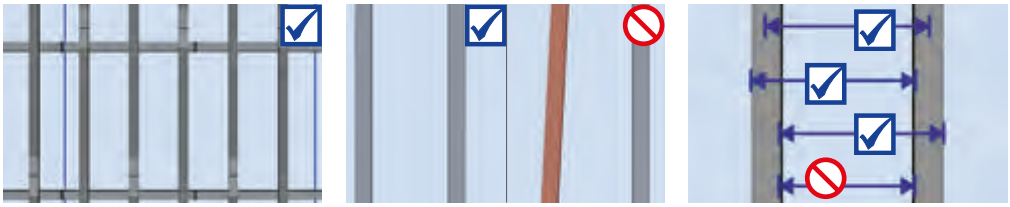
Metal framework, suspended bracket centre distance 1,000 mm, primary profile spacing 900 mm, secondary profile spacing 333 mm			
Item number	**Item description**	**Unit**	**Quantity**
Fixation			
Standard	Safety nail, DN 6 x 35	piece	1.3
Suspended brackets			
See product range	Direct suspended bracket 50/120/200 and	piece	1.3
100994	Tapping screw LN 3.5 x 9.5	piece	2.6
	or		
See product range	Vernier hanger / vernier bottom part and	piece	1.3
100981	Vernier security pin and	piece	1.3
See product range	Vernier top part, 200 - 2,000 mm, custom lengths on request	piece	1.3
Profiles and connectors			
See product range	CD profile 60/27/0.6 rK, l=XXX mm	m	4.1
PR0-00106	UD profile 28/27/0.6, 3,000 mm	m	0.4
101595	Connector, lengthwise, CD 60/27	piece	0.8
101567	Cross connector, CD 60/27	piece	3.3
100995	Perforated panel screw SN 3.5 x 30	piece	22

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Visible Chamfer – Ceiling Panel Installation

Check ceiling framework for rigidity and evenness (using a straight-edge).

Then check ceiling grid CD sections for centre distances and adjust, if necessary. Always mount straight connectors in a staggered manner (see figure). Measure centre distances accurately!



As viewed from entrance area, choose panel arrangement with short edges parallel to windows (main direction of light).

Locate centre of room to position first ceiling panel, also taking into account resulting ceiling perimeter to wall connections.

We recommend the following accessories for installation:

Perforated panel screws, including screw bit

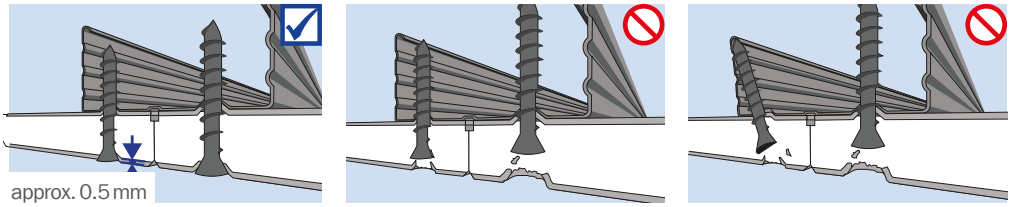
Correct handling of ceiling panels:

- Always take into account the load carrying capacity of the building when storing ceiling panels
- Do not store ceiling panels upright, but always flat on panel pallets
- Always carry ceiling panels with short edges upright
- Protect ceiling panels from moisture; relative humidity should be 40 - 80 %
- Avoid major temperature fluctuations
- Do not expose stored ceiling panels to direct sunlight

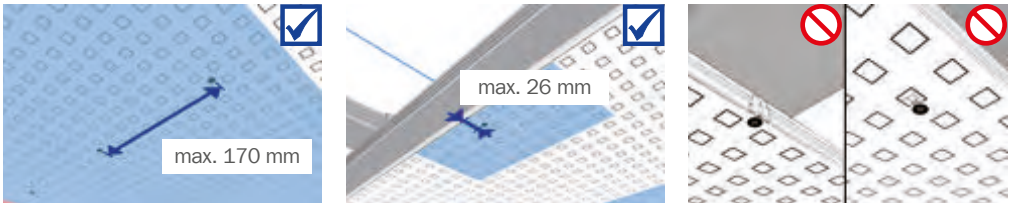
Get panel to correct position on framework using a panel lifter if working alone, or else another worker's help.

Perforation pattern	Centre distance
Straight round perforation 6/18, 8/18, 10/23, 12/25 Offset round perforation 8/12/50, Straight square perforation 8/18, 12/25, Random perforation 8/15/20, 12/20/35	333 mm
Straight round perforation 15/30 Offset round perforation 12/20/66	330 mm

Screws must be put into panel at right angles and countersunk head screwed down to 0.5 mm below visible surface of ceiling panel.



Screws should be spaced maximum 170 mm from fixing point to fixing point. Distance between screw and panel edge not to exceed 26 mm.
Avoid damaging acoustic design panels by countersunk heads.



First, screw ceiling panel to framework in centre of panel, then lower panel lifter and fix a screw in centre of each short edge before finally screwing down long edges.

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Visible Chamfer – Ceiling Panel Installation

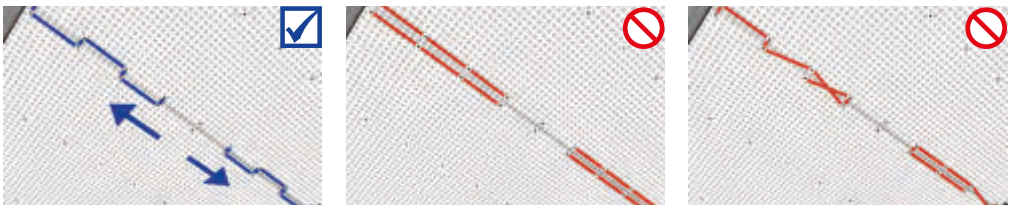
Take note of panel labelling (stamp) and mount in direction of reading (all stamps should point in same direction).

Use CD profile or straightedge as end stop. Position next panel by sliding it to first alongside CD profile / straightedge and fix in place.

General site conditions / Manufacturer's instructions:

- Take movement joints of building structure into account
- Plan to include expansion joints after approx. every 15 m or approx. 150 m²
- Cardboard layer must not be penetrated by screws, but merely displaced downwards
- Working temperature should be at least +10 °C and job site temperature not below +5 °C
- Place any damping (mineral wool layer) directly onto the ceiling panels
- After installing the ceiling panels, screw heads have to be filled and sanded

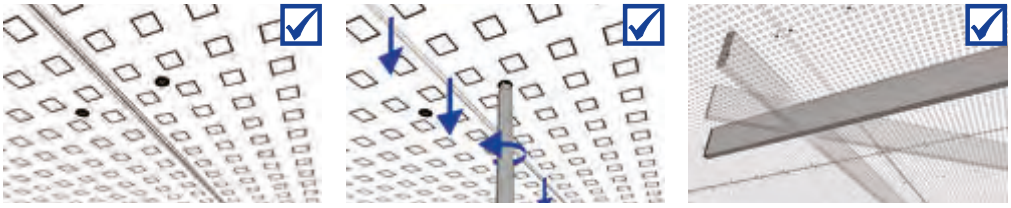
Fix screws in panel joint area using alternating pairs across panels ("zig-zag" principle), starting left or right next to screw which has already been fixed. This will create flush joint areas.



Install ceiling panels first lengthways, then crossways, resulting in cross arrangement on ceiling. Cover remaining areas in same manner, working from centre of room outwards.

Lay remaining ceiling panels edge-to-edge, always checking that joints are level and using "cross joint" system only.

After all panels have been installed, recheck that all joints are level and adjust, if necessary, using a screwdriver. Then check with a straightedge.



Place any damping layer directly onto back of ceiling panels.

Never screw into the UD28 profile when mounting panels at ceiling perimeter.

Provide for expansion joint of 5 to 10 mm every 15 linear metres / 150 m².
Additional board strip above joint must be screwed down on one side only.

Acoustic Design Panels
(with air purification effect) – Visible Chamfer system

Suspended ceiling structure, one side clad with Vogl acoustic design panels, backed with sound absorbing fleece, mounted to a rigid ceiling framework of galvanised metal profiles, hung with flush and horizontally aligned suspended brackets and installed using fixing materials approved by building authorities, with or without damping layer depending on building physics requirements. Installation in accordance with manufacturer's instructions, including all connection and jointing work as well as connection and fixing materials.

System structure

Framework in accordance with DIN 18181:2007-02

Profiles:

Pressure-resistant design made from galvanised sheet steel profiles CD 60/27 as primary and secondary profiles in accordance with EN 14195

Suspended brackets:

- Suspend with vernier systems (top part, vernier hanger)*
- Suspend with vernier systems (top / bottom part)*
- Suspend with direct suspended brackets*
- Use fixing materials approved by relevant building authorities.

Connection:

For primary-secondary profile connection with cross connectors, use suspended brackets and cross connectors in accordance with EN 13964.

Suspended bracket centre distance: max. 900 mm,
Primary profile centre distance: max. 1,100 mm,
Secondary profile centre distance: 330/333 mm*

Covering:

Acoustic design panels with Visible Chamfer are perforated ceiling panels in accordance with EN 14190, one layer 12.5 mm, laid edge-to-edge and fixed to framework using SN 30 perforated panel screws, with screw spacing max. 170 mm. Vogl acoustic design panels with Visible Chamfer are delivered with a circumferential 2 mm chamfer at panel edges which allows them to be laid "edge-to-edge" without joints. When installing panels, room layout has to be planned carefully since laying grid will be visible after finishing drywall construction due to Visible Chamfer.

Perforation pattern / perforated area / mass per unit area:

- 6/18 round / 8.7 % / 9.1 kg/m²*
- 8/18 round / 15.5 % / 8.5 kg/m²*
- 10/23 round / 14.8 % / 8.5 kg/m²*
- 12/25 round / 18.1 % / 8.2 kg/m²*
- 15/30 round / 19.6 % / 8.0 kg/m²*
- 8/12/50 round / 13.1 % / 8.7 kg/m²*
- 12/20/66 round / 19.6 % / 8.0 kg/m²*
- 8/18 square / 19.8 % / 8.0 kg/m²*
- 12/25 square / 23.0 % / 7.7 kg/m²*
- 8/15/20 round / 9.5 % / 9.1 kg/m²*
- 12/20/35 round / 11.0 % / 8.9 kg/m²*

Distributed load:

- less than or equal to 0.15 kN/m²*
- less than or equal to 0.30 kN/m²*

Fleece backing:

Panels backed with sound absorbing fleece as:

- acoustic fleece, black*
- acoustic fleece, white*

Joint finishing / filling:

Fill screw heads with joint compound flush with the surface and sand. The Visible Chamfer system does not require any additional joint finishing.

Subbase:

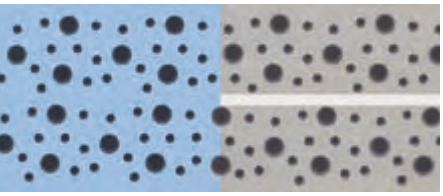
Suspension height:	h = mm
Installation height:	h = mm
Room height:	h = mm
Insulation thickness:	th = mm

Complete system: Vogl Deckensysteme, or equivalent

* Delete as applicable

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

GSG4 Joint



The Evolution *in Compound Seam Technology*

GreatSwiftGenius–
with **4** sturdy butt edges

with air purification effect as a standard feature

The Evolution
of the Compound Seam

For the installation of seamless acoustic ceilings, the compound seam has become established in the market with all its strengths and weaknesses.

Therefore, Vogl Deckensysteme decided that there is room for improvement.

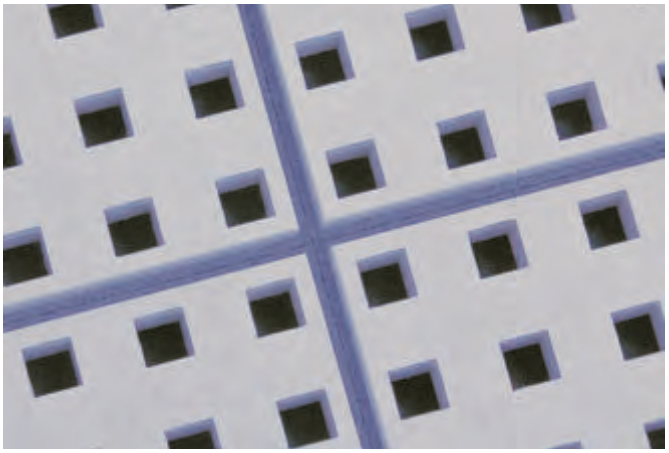
By means of high-precision panel production and newly defined accuracy, Vogl Deckensysteme has developed a quick compound seam for acoustic ceilings to meet market requirements.

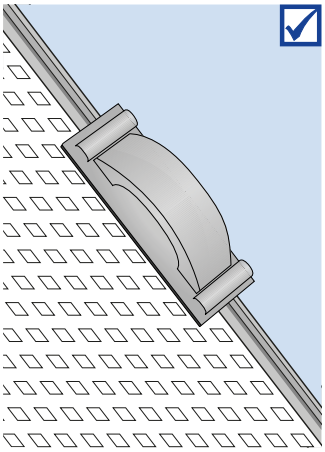
The result is impressive – the new GSG4 Joint.
From practical experience – for practical use!

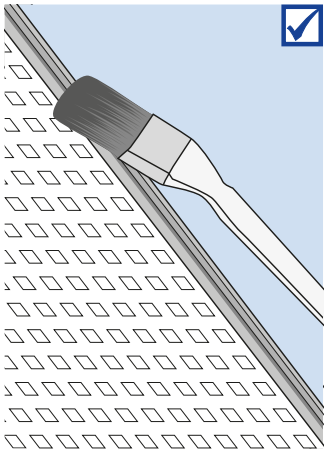
Advantages of the GSG4 Joint system:

Surrounding rebate of acoustic design panel allows quick installation and easy joint finishing:

- Less waste at borders due to 4-side edge design
- Factory primed edges – ready for finishing
- Sturdy butt edges without any weak points
- Finishing possible with all common fillers in compliance with manufacturer's instructions





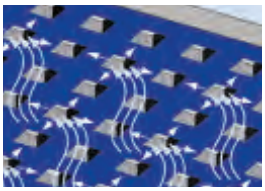


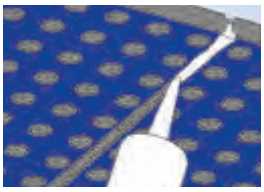
To achieve an optimum of time saving on site, every labour-saving feature helps.

GSG4 edges are, therefore, factory-primed and cardboard edges slightly chamfered.

For quick and easy installation on site – a solution from practical experience for practical use!

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com





Vogl acoustic design panels of the GSG4 system are perforated ceiling panels with high acoustic performance and air purification effect (adsorption).

Black or white acoustic fleece backing (other fleece colours on request).

Other available options: Acoustic design panels with non-perforated edges, block perforation, applications, manufacture in accordance with customer designs and ceiling plans.

Based on standard: EN 14190 "Gypsum plasterboard products from reprocessing"
Fire rating: A2-s1, d0 (non-flammable) according to EN 13501-1
Long edge: GSG4 edge
Short edge: GSG4 edge

with air purification effect as a standard feature

tested for contaminants LGA

Illustration	Item number	Description	Details	m²/pallet Pcs./pallet
	LP-00390 LP-00391	Acoustic Design Panel GSG4 6/18R Acoustic fleece, black Acoustic Design Panel GSG4 6/18R Acoustic fleece, white	1,188 x 1,998 x 12.5 mm Perforated area: 8.7 % Mass: 9.1 kg/m²	59.3 m² 25 pieces
	LP-00393 LP-00394	Acoustic Design Panel GSG4 8/18R Acoustic fleece, black Acoustic Design Panel GSG4 8/18R Acoustic fleece, white	1,188 x 1,998 x 12.5 mm Perforated area: 15.5 % Mass: 8.5 kg/m²	59.3 m² 25 pieces
	LP-00396 LP-00397	Acoustic Design Panel GSG4 10/23R Acoustic fleece, black Acoustic Design Panel GSG4 10/23R Acoustic fleece, white	1,196 x 2,001 x 12.5 mm Perforated area: 14.8 % Mass: 8.5 kg/m²	59.8 m² 25 pieces
	LP-00399 LP-00400	Acoustic Design Panel GSG4 12/25R Acoustic fleece, black Acoustic Design Panel GSG4 12/25R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 18.1 % Mass: 8.2 kg/m²	60.0 m² 25 pieces
	LP-00402 LP-00403	Acoustic Design Panel GSG4 15/30R Acoustic fleece, black Acoustic Design Panel GSG4 15/30R Acoustic fleece, white	1,200 x 1,980 x 12.5 mm Perforated area: 19.6 % Mass: 8.0 kg/m²	59.4 m² 25 pieces
	LP-00405 LP-00406	Acoustic Design Panel GSG4 8/12/50R Acoustic fleece, black Acoustic Design Panel GSG4 8/12/50R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 13.1 % Mass: 8.7 kg/m²	60.0 m² 25 pieces
	LP-00408 LP-00409	Acoustic Design Panel GSG4 12/20/66R Acoustic fleece, black Acoustic Design Panel GSG4 12/20/66R Acoustic fleece, white	1,188 x 1,980 x 12.5 mm Perforated area: 19.6 % Mass: 8.0 kg/m²	58.8 m² 25 pieces
	LP-00411 LP-00412	Acoustic Design Panel GSG4 8/18Q Acoustic fleece, black Acoustic Design Panel GSG4 8/18Q Acoustic fleece, white	1,188 x 1,998 x 12.5 mm Perforated area: 19.8 % Mass: 8.0 kg/m²	59.3 m² 25 pieces
	LP-00414 LP-00415	Acoustic Design Panel GSG4 12/25Q Acoustic fleece, black Acoustic Design Panel GSG4 12/25Q Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 23.0 % Mass: 7.7 kg/m²	60.0 m² 25 pieces
	LP-00417 LP-00418	Acoustic Design Panel GSG4 8/15/20R Acoustic fleece, black Acoustic Design Panel GSG4 8/15/20R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 9.5 % Mass: 9.1 kg/m²	60.0 m² * 25 pieces
	LP-00420 LP-00421	Acoustic Design Panel GSG4 12/20/35R Acoustic fleece, black Acoustic Design Panel GSG4 12/20/35R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 11.0 % Mass: 8.9 kg/m²	60.0 m² * 25 pieces

*Note: Despite being perforated irregularly, random perforation panels still yield a certain linear layout as the abutting panel edges must be non-perforated in any case. This is unavoidable and independent of the workmanship of the specialist contractor.

Block slotting										
Design	Slotting	Slots per "block"		Rim* (unslotted)		Slot area (panel)	Panel dimensions (standard size)		Centre distance (secondary profile)	Edges
		Short	Long	Short (mm)	Long (mm)	%	Width mm	Length mm	mm	
4F	5/82/15.4SL	69	4	73.9	73.3	15.7	1,200	2,400	300	GSG4
8F	5/82/15.4SL	30	4	73.9	73.3	13.7	1,200	2,400	300	GSG4
8/16F	5/82/15.4SL	4 x 6	4	73.9	73.3	10.9	1,200	2,400	300	GSG4

*Edge dimensions refer to visible rim

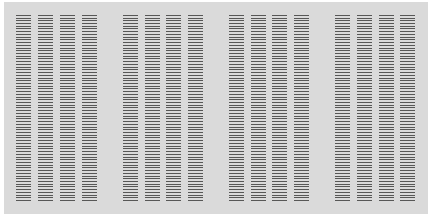
Block perforation										
Design	Perforation	Holes per “block”		Rim* (non-perforated)		Perforated area (panel)	Panel dimensions (standard size)		Centre distance (secondary profile)	Edges
		Short	Long	Short (mm)	Long (mm)	%	Width mm	Length mm	mm	
4F	8/18R	64	30	41	41	12.9	1,224	2,448	312.5	GSG4
	12/25R	45	21	44	44	14.9	1,200	2,400	300	GSG4
	12/25Q	45	21	44	44	18.9	1,200	2,400	300	GSG4
8F	8/18R	30	30	41	41	12.1	1,224	2,448	312.5	GSG4
	12/25R	21	21	44	44	13.9	1,200	2,400	300	GSG4
	12/25Q	21	21	44	44	17.7	1,200	2,400	300	GSG4
32F	8/18R	13	13	41	41	9.1	1,224	2,448	312.5	GSG4
	12/25R	9	9	44	44	10.2	1,200	2,400	300	GSG4
	12/25Q	9	9	44	44	13.0	1,200	2,400	300	GSG4

*Edge dimensions refer to visible rim

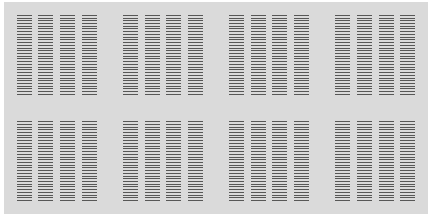
Diagrams represent visible side

Block slotting 4F

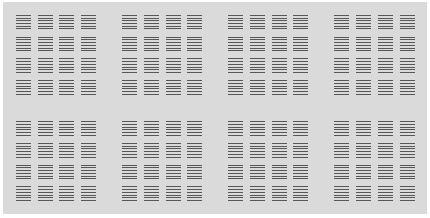
Short / Long



Block slotting 8F



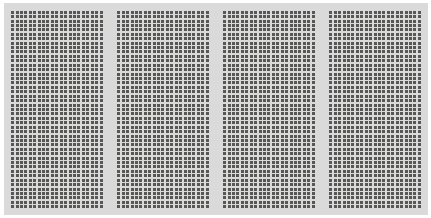
Block slotting 8/16F



Slot only possible in longitudinal direction of the ceiling panels.

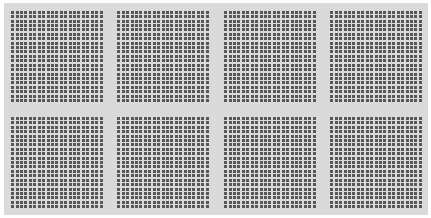
Block perforation 4F

Short / Long



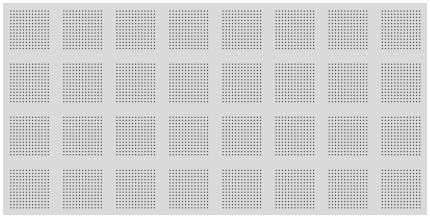
Example: 12/25Q

Block perforation 8F



Example: 12/25Q

Block perforation 32F

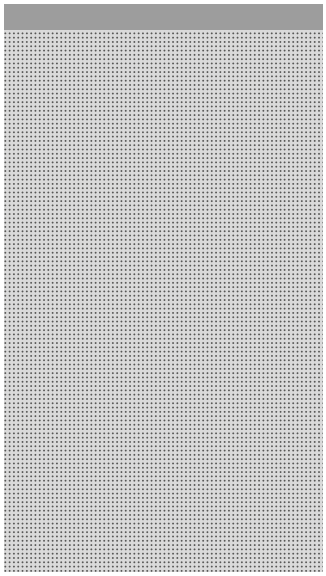


Example: 8/18R

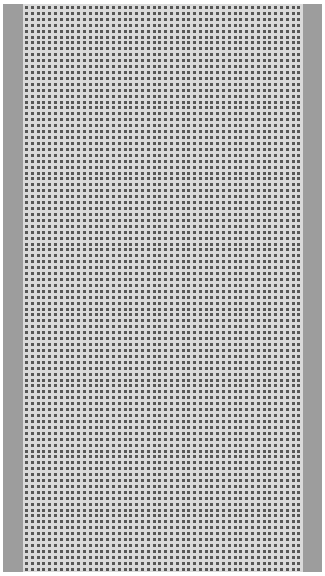
Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Acoustic design panels with non-perforated rims

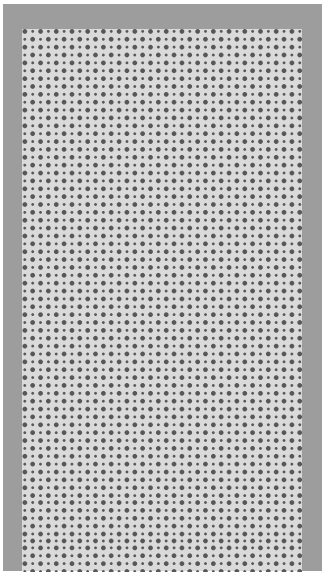
1 rim non-perforated



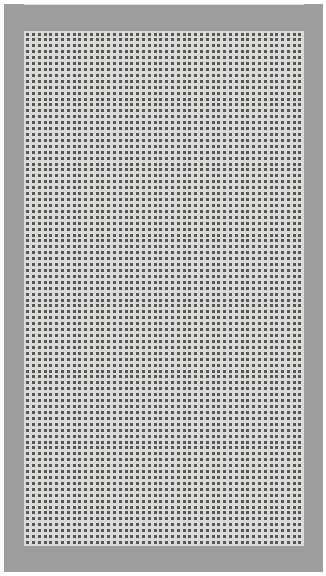
2 rims non-perforated



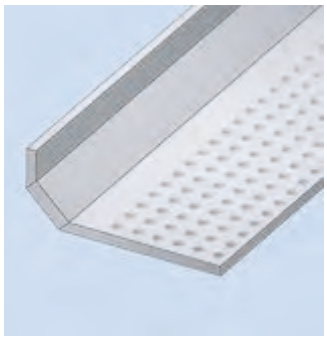
3 rims non-perforated



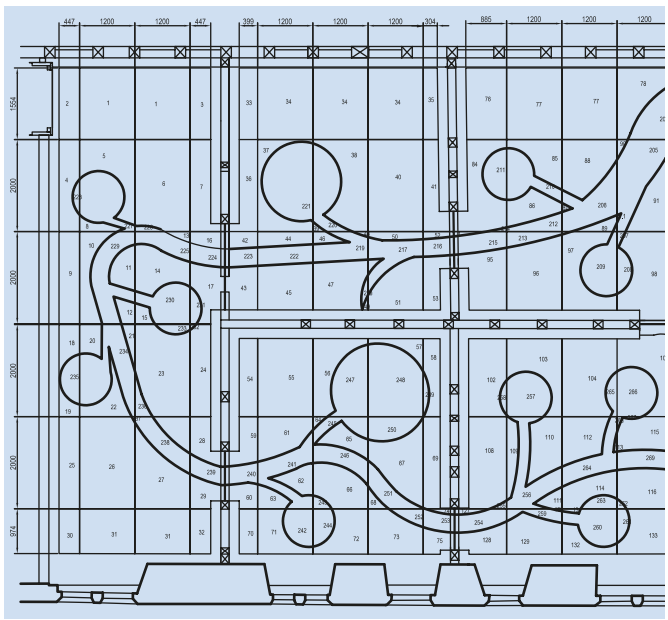
4 rims non-perforated



Acoustic design panels with moulded components attached



Acoustic design panels in a layout plan



You want a ceiling that features not only high acoustic performance, but also outstanding appearance?

We are glad to assist you! Our experts can adapt our acoustic design panels exactly to your desired ceiling surface.
When manufacturing ceiling systems to plan, we supply the custom-made and perfectly fitted acoustic design panels as well as a layout plan for use on the job site, thus ensuring reliable results for the installation. And of course, our moulded components, stretch ceilings and ceiling components can be perfectly integrated into your planned ceiling surface.

Primary profiles are hung from structural soffit with suspended brackets using fixing materials approved by relevant building authorities. Centre distance and number of suspended brackets, as well as fixation, are subject to site requirements and EN 13964/DIN 18181. CD 60/27 secondary profiles are attached to CD 60/27 primary profiles using cross connectors.

CD 60/27 are extended using straight connectors. For primary grid profiles, always ensure that joint is close to a suspended bracket (max. 100 mm). Joints should generally be staggered.

Plasterboards should be installed in accordance with EN 13964/ DIN 18181 and manufacturer's guidelines.

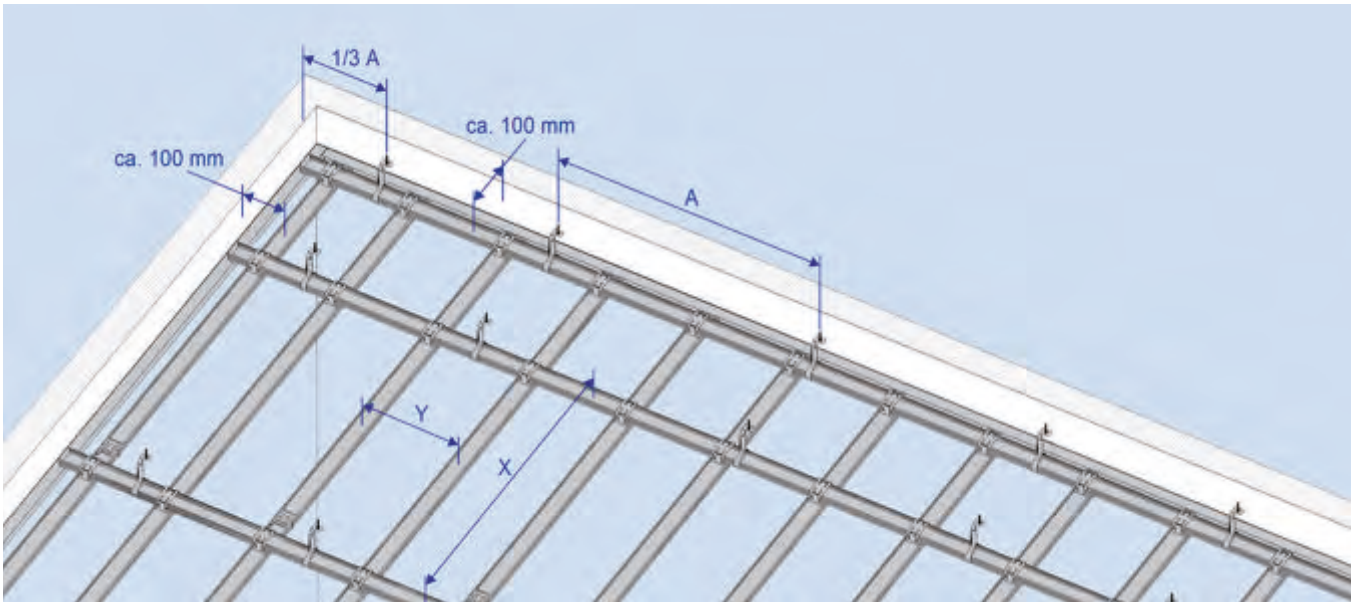
Additional items such as lighting, ventilation, sprinkler systems etc. must be individually suspended.

Any changes in the framework owing to integrated ceiling components must be considered.

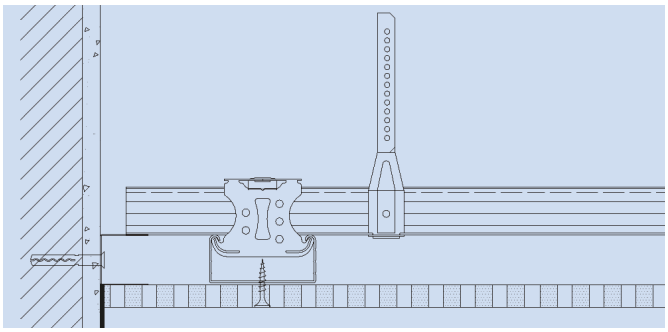
Block perforations and block slotting require different secondary profile centre distances which are shown in our tables on page 82.

GSG4 Joint framework								
Technical data	Unit	Perforated panel ceiling						
Panel thickness	mm	12.5						
Distributed load	kN/m²	≤ 0.15					≤ 0.30	
Centre distance of suspended bracket A	mm	1,150	1,050	1,000	950	900	900	750
Centre distance of primary profiles X	mm	600	800	900	1,000	1,100	600	1,000
Centre distance of secondary profiles Y	mm	see table below						

Item	Unit	Centre distance of secondary profiles Y
Acoustic Design Panel 6/18; 8/18; 8/18Q; 10/23; 12/25; 12/25Q; 8/12/50; 8/15/20; 12/20/35	mm	333
Acoustic Design Panel 15/30 12/20/66	mm	330

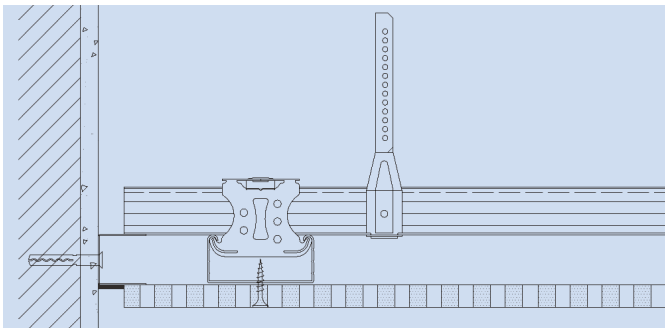


Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com



Wall connection with filled joint:

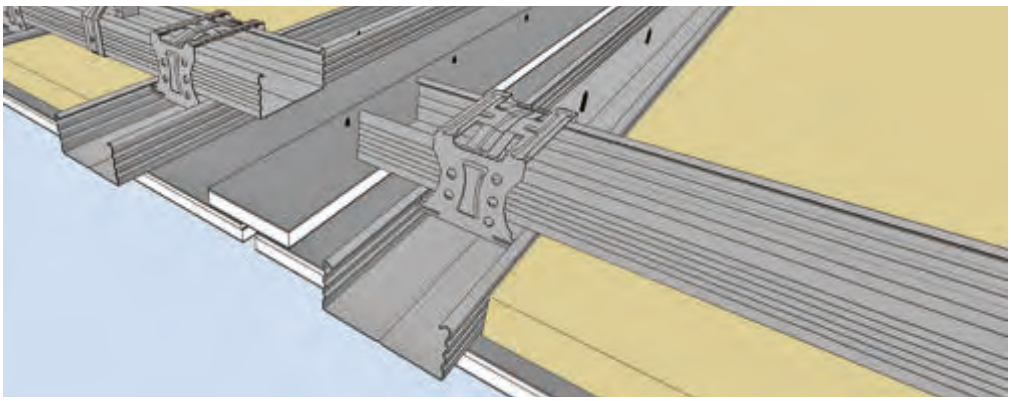
For filled wall connections, a double layer fleece strip is used to separate acoustic ceiling from wall.



Wall connection – shadow gap:

For wall connections with a shadow gap, panel is placed and mounted such that desired width of shadow gap is left free. Screwing panel to UD profile is not permitted as this may be covered with a strip of adhesive double layer fleece in order to colour shadow gap.

Please contact us if you require additional technical details on possible wall connections.



Expansion joints:

To reduce risk of cracking in ceiling, expansion joints should be installed every 10 linear metres / 100 m² of ceiling area.

Framework must be completely severed (see illustration) and panel strips above joint must be screwed down on one side only.

Tip: Panel strip may be covered with adhesive double layer fleece on visible side if colouring expansion joint in either black or white is desired.

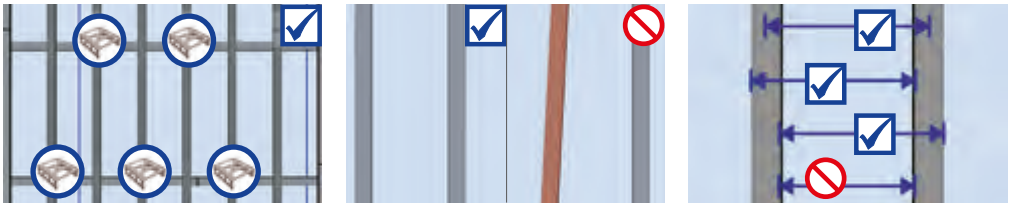
Material required per m² based on a ceiling of 100 m² (10 m x 10 m, without loss or waste)

Metal framework, suspended bracket centre distance 1,000 mm, primary profile spacing 900 mm, secondary profile spacing 333 mm			
Item number	**Item description**	**Unit**	**Quantity**
Fixation			
Standard	Safety nail, DN 6 x 35	piece	1.3
Suspended brackets			
See product range	Direct suspended bracket 50/120/200 and	piece	1.3
100994	Tapping screw LN 3.5 x 9.5	piece	2.6
	or		
See product range	Vernier hanger / vernier bottom part and	piece	1.3
100981	Vernier security pin and	piece	1.3
See product range	Vernier top part, 200 - 2,000 mm, custom lengths on request	piece	1.3
Profiles and connectors			
See product range	CD profile 60/27/0.6 rK, l=XXX mm	m	4.1
PRO-00106	UD profile 28/27/0.6, 3,000 mm	piece	0.4
101595	Connector, lengthwise, CD 60/27	piece	0.8
101567	Cross connector, CD 60/27	piece	3.3
100995	Perforated panel screw SN 3.5 x 30	piece	22
Joint Compound			
Standard	Joint Compound	kg	0.15

GSG4 Joint – Ceiling Panel Installation

Check ceiling framework for rigidity and evenness (using a straightedge).

Then check ceiling grid CD sections for centre distances and adjust, if necessary. Always mount straight connectors in a staggered manner (see figure). Measure centre distances accurately!



As viewed from entrance area, choose panel arrangement with short edges parallel to windows (main direction of light).

Locate centre of room to position first ceiling panel, also taking into account resulting ceiling perimeter to wall connections.

We recommend the following accessories for installation:
Perforated panel screws, including screw bit

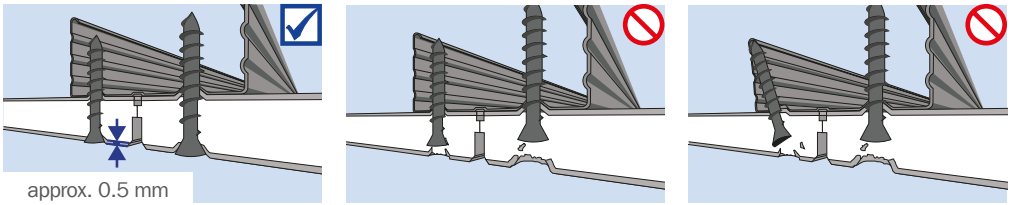
Correct handling of ceiling panels:

- Always take into account the load carrying capacity of the building when storing ceiling panels
- Do not store ceiling panels upright, but always flat on panel pallets
- Always carry ceiling panels with short edges upright
- Protect ceiling panels from moisture; relative humidity should be 40 - 80 %
- Avoid major temperature fluctuations
- Do not expose stored ceiling panels to direct sunlight

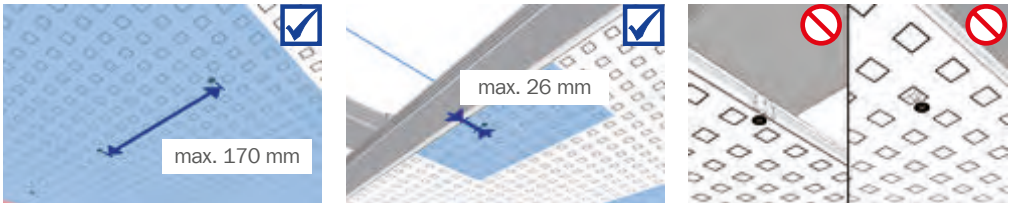
Get panel to correct position on framework using a panel lifter if working alone, or else another worker's help.

Perforation pattern	Centre distance
Straight round perforation 6/18, 8/18, 10/23, 12/25 Offset round perforation 8/12/50, Straight square perforation 8/18, 12/25, Random perforation 8/15/20, 12/20/35	333 mm
Straight round perforation 15/30 Offset round perforation 12/20/66	330 mm

Screws must be put into panel at right angles and countersunk head screwed down to 0.5 mm below visible surface of ceiling panel.



Screws should be spaced maximum 170 mm from fixing point to fixing point. Distance between screw and panel edge not to exceed 26 mm.
Avoid damaging acoustic design panels by countersunk heads.



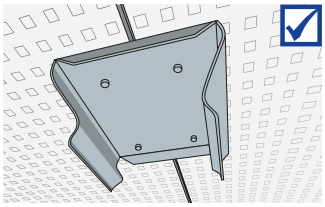
First, screw ceiling panel to framework in centre of panel, then lower panel lifter and fix a screw in centre of each short edge before finally screwing down long edges.

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

GSG4 Joint – Ceiling Panel Installation

Take note of panel labelling (stamp) and mount in direction of reading (all stamps should point in same direction).

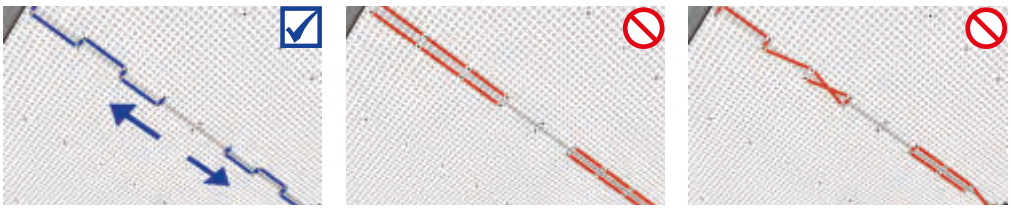
Install next ceiling panel edge-to-edge next to first panel.
Use mounting aids **only in case of damaged butt edges** to keep proper joint size.



General site conditions / Manufacturer's instructions:

- Take movement joints of building structure into account
- Plan to include expansion joints after approx. every 10 m or approx. 100 m²
- Cardboard layer must not be penetrated by screws, but merely displaced downwards
- Working temperature should be at least +10 °C and job site temperature not below +5 °C
- Place any damping (mineral wool layer) directly onto the ceiling panels
- Carry out any additional work on ceiling (access openings, lighting recesses) immediately after installing ceiling panels and always before finishing joints

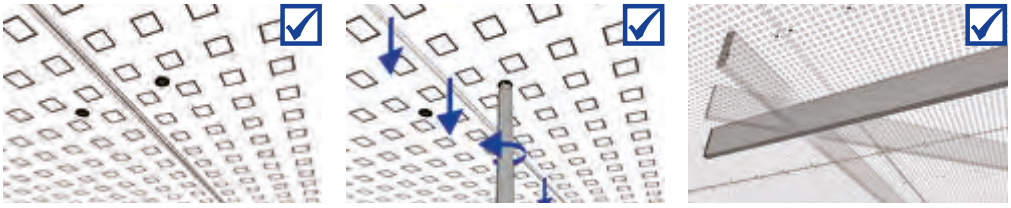
Fix screws in panel joint area using alternating pairs across panels (“zig-zag“ principle), starting left or right next to screw which has already been fixed. This will create flush joint areas.



Install ceiling panels first lengthways, then crossways, resulting in cross arrangement on ceiling. Cover remaining areas in same manner, working from centre of room outwards.

Lay remaining ceiling panels edge-to-edge, always checking that joints are level and using "cross joint" system only.

After all panels have been installed, recheck that all joints are level and adjust, if necessary, using a screwdriver. Then check with a straightedge.



Place any damping layer directly onto back of ceiling panels.

Never screw into UD28 profile when mounting panels at ceiling perimeter; sliding wall connections are also always required.

Provide for expansion joint of 5 to 10 mm every 10 linear metres / 100 m².
Additional board strip above joint must be screwed down on one side only.

GSG4 Joint – Joint Finishing

Important! All work that could result in damage to ceiling surface must be completed before commencing jointing.

Check ceiling, adjust any height discrepancies in joint area with a screw driver.

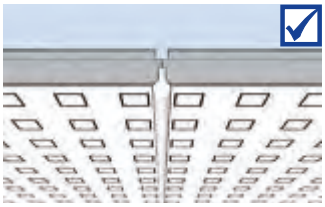
Mix joint compound in a clean pail according to manufacturer's instructions.

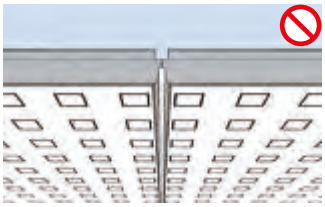
General site conditions / Manufacturer's instructions:

- Working temperature should be at least +10 °C and job site temperature not below +5 °C
- Avoid sudden heating and cooling of rooms
- Relative humidity: 40 - 80 %
- Self-levelling, cement or asphalt screeds must be fully dried – make sure there is no residual moisture
- Use joint compound as per EN 13963
- Consumption of joint compound: Approx. 150 g/m²

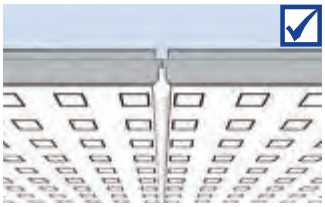
Load cartridge and fill joints generously holding cartridge as upright as possible to ensure complete filling of GSG4 Joint.

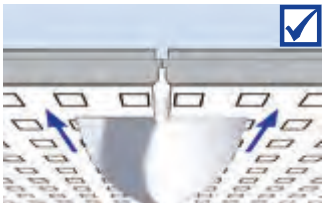
To achieve high GSG4 Joint strength, take greatest care to fill joint completely and use sufficient joint compound material.



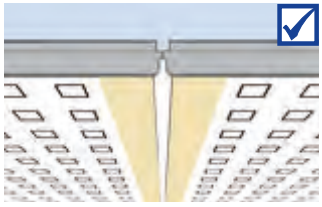


After joint compound has started to cure, and before it has hardened completely, remove any protruding material working in direction of joint.





Then refill joints and screw heads with joint or finishing material, having covered perforation adjacent to joint with masking tape beforehand.

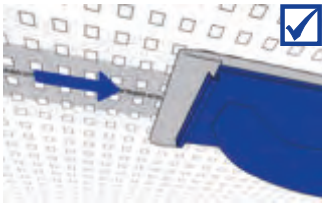


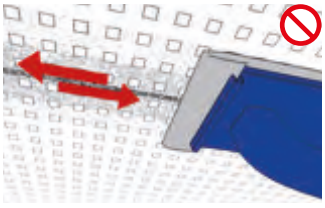
Any holes closed with joint compound can be re-opened using a perforation wheel.

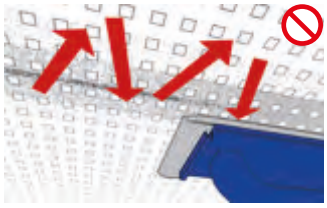
Surface treatment for painters (in accordance with ATV painting work DIN 18363)

- Only apply coating by roller; spray application is not permitted!
- Prior to application of paint coat, a primer should generally be applied in accordance with manufacturer's specifications
- Manufacturer's recommended drying times for both primer and finishing coat must be strictly observed
- Alkaline coatings are unsuitable for plasterboards
- 3 coats of paint must be applied (1 prime coat + 2 finishing coats), and recommended drying times adhered to
- Always consult system manufacturer's technical data sheets for primers and finishing coats

After joint compound has completely cured, use a handheld sander to smooth the area.







Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Acoustic Design Panels
(with air purification effect) – GSG4 Joint system

Suspended ceiling structure, clad with Vogl acoustic design panels backed with sound absorbing fleece, mounted on a rigid ceiling framework of galvanised metal profiles, hung with horizontally and vertically aligned suspended brackets and installed using materials and fixtures approved by the relevant building authorities, with or without damping layer depending on structural requirements.

Installation in accordance with manufacturer's instructions, incl. all connection and jointing work as well as connection and fixing materials.

System structure

Framework in accordance with DIN 18181:2007-02

Profiles:

Pressure-resistant design made from galvanised sheet steel profiles CD 60/27 as primary and secondary profiles in accordance with EN 14195

Suspended brackets:

- Suspend with vernier systems (top part, vernier hanger)*
- Suspend with vernier systems (top / bottom part)*
- Suspend with direct suspended brackets*
- Use fixing materials approved by the relevant building authorities.

Connection:

For primary-secondary profile connection with cross connectors, use suspended brackets and cross connectors in accordance with EN 13964.

Suspended bracket centre distance: max. 900 mm,
Primary profile centre distance: max. 1,100 mm,
Secondary profile centre distance: 330/333 mm*

Covering:

Vogl acoustic design panels are perforated ceiling panels in accordance with EN 14190, with air purification effect, one layer 12.5 mm, laid edge-to-edge and fixed to framework using perforated panel screws SN 30, with screw spacing max. 170 mm.

Check spacing of acoustic design panels and joint sizes using appropriate mounting aids, if required.

Perforation pattern / perforated area / mass per unit area:

- 6/18 round / 8.7 % / 9.1 kg/m²*
- 8/18 round / 15.5 % / 8.5 kg/m²*
- 10/23 round / 14.8 % / 8.5 kg/m²*
- 12/25 round / 18.1 % / 8.2 kg/m²*
- 15/30 round / 19.6 % / 8.0 kg/m²*
- 8/12/50 round / 13.1 % / 8.7 kg/m²*
- 12/20/66 round / 19.6 % / 8.0 kg/m²*
- 8/18 square / 19.8 % / 8.0 kg/m²*
- 12/25 square / 23.0 % / 7.7 kg/m²*
- 8/15/20 round / 9.5 % / 9.1 kg/m²*
- 12/20/35 round / 11.0 % / 8.9 kg/m²*

Distributed load:

- less than or equal to 0.15 kN/m²*
- less than or equal to 0.30 kN/m²*

Fleece backing:

Panels backed with sound absorbing fleece as:

- acoustic fleece, black*
- acoustic fleece, white*

Joint finishing / filling:

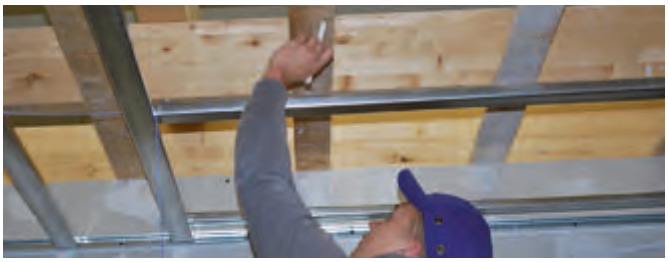
Fill screw heads with joint compound flush with surface and sand. Use joint compound as per EN 13963 to finish joints in accordance with manufacturer's instructions. Acoustic design panel edges in the GSG4 Joint system are factory primed and chamfered.

Complete system: Vogl Deckensysteme, or equivalent

* Delete as applicable

System Training

Our know-how for your result reliability



Topic:

Framework for acoustic design ceilings (“perforated ceilings”)

Description

A framework properly mounted to the ceiling forms the basis for a safe, flawless acoustic design ceiling that meets the regulations. In addition to theoretical fundamentals, our system training offers mainly practical guidelines for the installation work on site. Another topic of the Vogl System Training, beside suspension and connection with various components, is how to solve problems (expansion joints, integrated ceiling elements and wall connections).

Topics

- Installation of framework while heeding the applicable standards
- Various suspension systems and framework parts in theory and practice
- Distribution of the framework within the room
- Time and cost benefits when using Vogl framework
- Overview of the "problem solvers" in the ceiling area and their application
- Proper cutting of various profile systems
- Proper alignment of the framework by means of laser systems
- How to provide trimmers in the framework, e.g. for integrated ceiling components
- Expansion joints in the ceiling area / regulations and recommendations
- Various wall connections and their proper installation

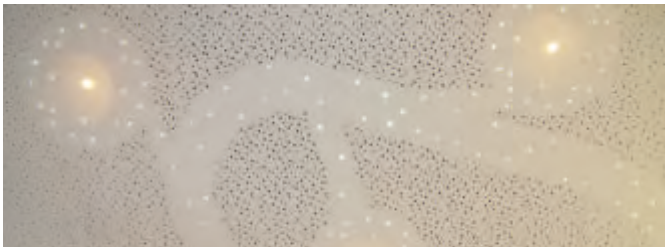
Targets

After completion of the seminar, the system training participants shall

- understand and be able to apply current standards and regulations
- recognise and avoid typical installation errors
- use the right components when incurring problems in the ceiling installation

Target group

This system training is equally suited for site and project managers as well as for drywall installers and interior construction workers. Also, technically adept employees in sales or from the building material dealers' can extend their knowledge about the proper installation of ceiling structures.



A registration form is available on page 189. You have any questions in advance? We are glad to assist you! Phone: +49 9104 825-100

Registration is possible by e-mailing info@vogl-ceilingsystems.com directly or by fax to +49 9104 825-280.
You can also find all information on training under www.vogl-ceilingsystems.com

Compound Seam

Traditional Technology
for Filled Joints

with air purification effect as a standard feature

Compound Seam by Vogl Deckensysteme –
manufactured with maximum precision

Traditional Technology – the Compound Seam

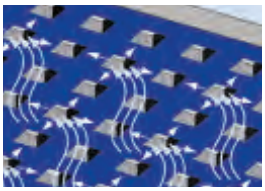
In addition to the patented VoglFuge joint system, Vogl Deckensysteme also offers the classical and most commonly used Compound Seam in its product line. It is available in numerous perforation patterns and design variations and is naturally manufactured with maximum precision at Vogl Deckensysteme.

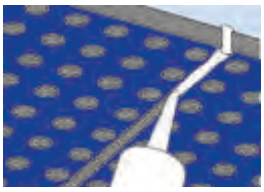
Other than the systems with edge-to-edge installation technique, this joint variation is laid with space between the panels by using mounting aids and filled afterwards with joint compound. If done properly, the joint possesses a very high degree of rigidity after curing.

Advantages of the Compound Seam:

- Proven joint technology can be performed by any drywall installer without any additional training
- Due to the high quality of Vogl acoustic design panels, you get, with proper workmanship, a flawless end result
- With standard air purification effect
- Finishing possible with all common fillers in compliance with manufacturer's instructions

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com





Vogl acoustic design panels of the Compound Seam system are perforated ceiling panels with high acoustic performance and air purification effect (adsorption).

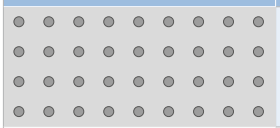
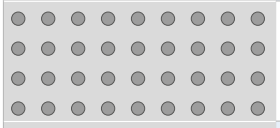
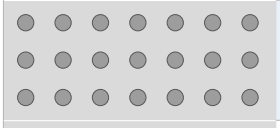
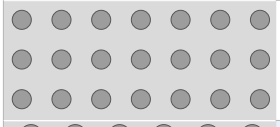
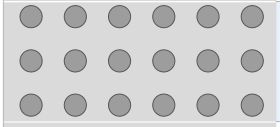
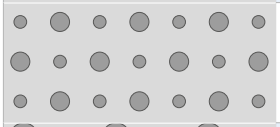
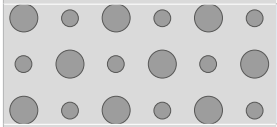
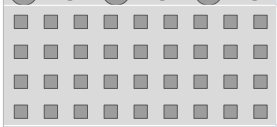
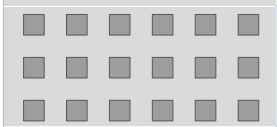
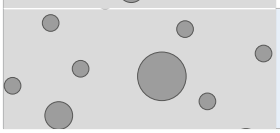
Black or white acoustic fleece backing (other fleece colours on request).

Other available options: Acoustic design panels with non-perforated edges, block perforation, applications, manufacture in accordance with customer designs and ceiling plans.

Based on standard: EN 14190 "Gypsum plasterboard products from reprocessing"
Fire rating: A2-s1, d0 (non-flammable) according to EN 13501-1
Long edge: SK (sharp-edged)
Short edge: SK (sharp-edged)

with air purification effect as a standard feature

tested for contaminants LGA

Illustration	Item number	Description	Details	m²/pallet Pcs./pallet
	LP-00324 LP-00326	Acoustic Design Panel SF 6/18R Acoustic fleece, black Acoustic Design Panel SF 6/18R Acoustic fleece, white	1,188 x 1,998 x 12.5 mm Perforated area: 8.7 % Mass: 9.1 kg/m²	59.3 m² 25 pieces
	LP-00330 LP-00332	Acoustic Design Panel SF 8/18R Acoustic fleece, black Acoustic Design Panel SF 8/18R Acoustic fleece, white	1,188 x 1,998 x 12.5 mm Perforated area: 15.5 % Mass: 8.5 kg/m²	59.3 m² 25 pieces
	LP-00336 LP-00338	Acoustic Design Panel SF 10/23R Acoustic fleece, black Acoustic Design Panel SF 10/23R Acoustic fleece, white	1,196 x 2,001 x 12.5 mm Perforated area: 14.8 % Mass: 8.5 kg/m²	59.8 m² 25 pieces
	LP-00342 LP-00344	Acoustic Design Panel SF 12/25R Acoustic fleece, black Acoustic Design Panel SF 12/25R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 18.1 % Mass: 8.2 kg/m²	60.0 m² 25 pieces
	LP-00348 LP-00350	Acoustic Design Panel SF 15/30R Acoustic fleece, black Acoustic Design Panel SF 15/30R Acoustic fleece, white	1,200 x 1,980 x 12.5 mm Perforated area: 19.6 % Mass: 8.0 kg/m²	59.4 m² 25 pieces
	LP-00353 LP-00355	Acoustic Design Panel SF 8/12/50R Acoustic fleece, black Acoustic Design Panel SF 8/12/50R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 13.1 % Mass: 8.7 kg/m²	60.0 m² 25 pieces
	LP-00359 LP-00361	Acoustic Design Panel SF 12/20/66R Acoustic fleece, black Acoustic Design Panel SF 12/20/66R Acoustic fleece, white	1,188 x 1,980 x 12.5 mm Perforated area: 19.6 % Mass: 8.0 kg/m²	58.8 m² 25 pieces
	LP-00365 LP-00367	Acoustic Design Panel SF 8/18Q Acoustic fleece, black Acoustic Design Panel SF 8/18Q Acoustic fleece, white	1,188 x 1,998 x 12.5 mm Perforated area: 19.8 % Mass: 8.0 kg/m²	59.3 m² 25 pieces
	LP-00371 LP-00373	Acoustic Design Panel SF 12/25Q Acoustic fleece, black Acoustic Design Panel SF 12/25Q Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 23.0 % Mass: 7.7 kg/m²	60.0 m² 25 pieces
	LP-00377 LP-00379	Acoustic Design Panel SF 8/15/20R Acoustic fleece, black Acoustic Design Panel SF 8/15/20R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 9.5 % Mass: 9.1 kg/m²	60.0 m² * 25 pieces
	LP-00383 LP-00385	Acoustic Design Panel SF 12/20/35R Acoustic fleece, black Acoustic Design Panel SF 12/20/35R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 11.0 % Mass: 8.9 kg/m²	60.0 m² * 25 pieces

*Note: Despite being perforated irregularly, random perforation panels still yield a certain linear layout as the abutting panel edges must be non-perforated in any case. This is unavoidable and independent of the workmanship of the specialist contractor.

The primary profiles are rigidly hung from the structural soffit with suspended brackets using fixing materials approved by the relevant building authorities.

Centre distance and number of suspended brackets, as well as fixation, are subject to site requirements and EN 13964/DIN 18181. The CD 60/27 secondary profiles are attached to the CD 60/27 primary profiles using cross connectors.

CD 60/27 are extended using straight connectors. For primary grid profiles, always ensure that the joint is close to a suspended bracket (max. 100 mm). Joints should generally be staggered.

Plasterboards should be installed in accordance with EN 13964/ DIN 18181 and manufacturer's guidelines.

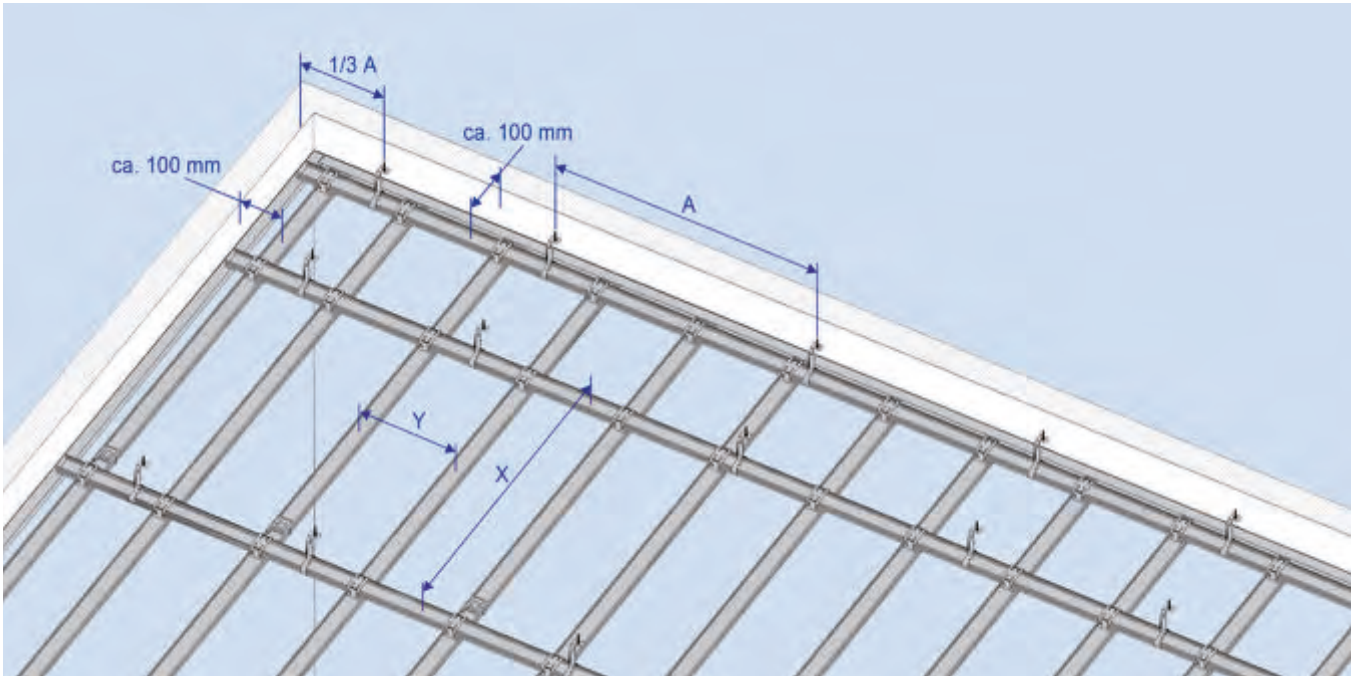
Additional items such as lighting, ventilation, sprinkler systems etc. must be individually suspended.

Any changes in the framework owing to integrated ceiling components must be considered.

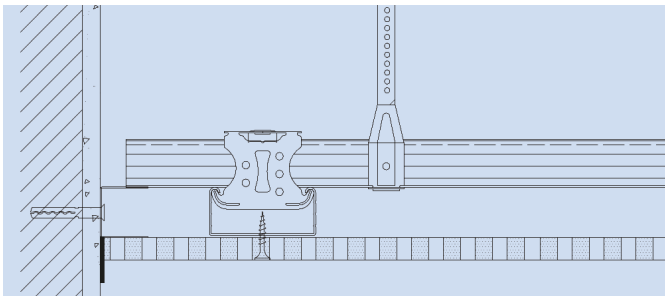
Block perforations and block slotting require different secondary profile centre distances which are shown in our tables.

Compound Seam framework								
Technical data	Unit	Perforated panel ceiling						
Panel thickness	mm	12.5						
Distributed load	kN/m²	≤ 0.15					≤ 0.30	
Centre distance of suspended bracket A	mm	1,150	1,050	1,000	950	900	900	750
Centre distance of primary profiles X	mm	600	800	900	1,000	1,100	600	1,000
Centre distance of secondary profiles Y	mm	see table below						

Item	Unit	Centre distance of secondary profiles Y
Acoustic Design Panel 6/18; 8/18; 8/18Q; 10/23; 12/25; 12/25Q; 8/12/50; 8/15/20; 12/20/35	mm	333
Acoustic Design Panel 15/30; 12/20/66	mm	330

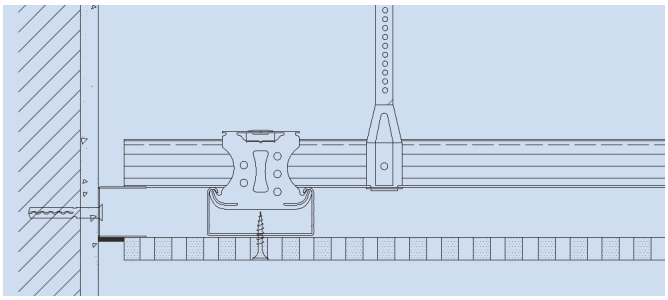


Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com



Wall connection:

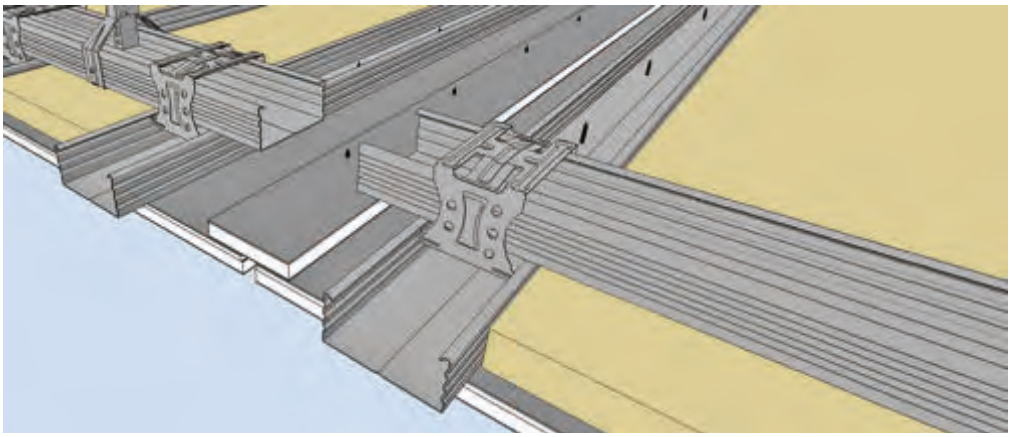
For filled wall connections, or wall connections filled from below, a double layer fleece strip is used to separate the acoustic ceiling from the wall.



Wall connection – shadow gap:

For wall connections with a shadow gap, the panel is only installed up to the UD profile as this may be covered with a strip of adhesive double layer fleece in order to colour shadow gap.

Please contact us if you require additional technical details on possible wall connections.



Expansion joints:

To prevent cracking in the ceiling surface, expansion joints have to be provided every 10 linear metres / 100 m² of the ceiling area.

The framework must be completely severed (see illustration) and the panel strips above the joint fixed to one side of the ceiling structure only.

Tip: Panel strip may be covered with adhesive double layer fleece on visible side if colouring expansion joint in either black or white is desired.

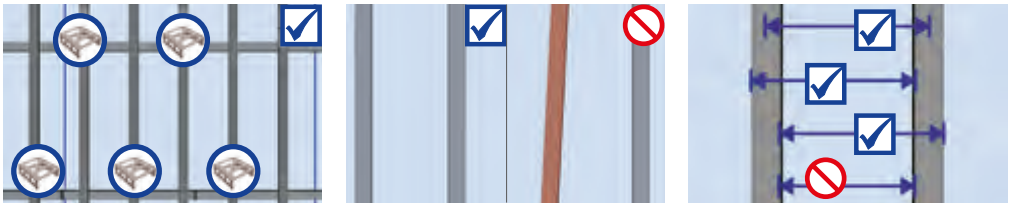
Material required per m² based on a ceiling of 100 m² (10 m x 10 m, not considering loss or waste, approximate values):

Metal framework, suspended bracket centre distance 1,000 mm, primary profile spacing 900 mm, secondary profile spacing 333 mm			
Item number	**Item description**	**Unit**	**Quantity**
Fixation			
Standard	Safety nail, DN 6 x 35	piece	1.3
Suspended brackets			
See product range	Direct suspended bracket 50/120/200 and	piece	1.3
100994	Tapping screw LN 3.5 x 9.5	piece	2.6
	or		
See product range	Vernier hanger / vernier bottom part and	piece	1.3
100981	Vernier security pin and	piece	1.3
See product range	Vernier top part, 200 - 2,000 mm, custom lengths on request	piece	1.3
Profiles and connectors			
See product range	CD profile 60/27/0.6 rK, l=XXX mm	m	4.1
PRO-00106	UD profile 28/27/0.6, 3,000 mm	m	0.4
101595	Connector, lengthwise, CD 60/27	piece	0.8
101567	Cross connector, CD 60/27	piece	3.3
100995	Perforated panel screw SN 3.5 x 30	piece	22
Joint Compound			
Standard	Joint Compound	kg	0.2

Compound Seam – Ceiling Panel Installation

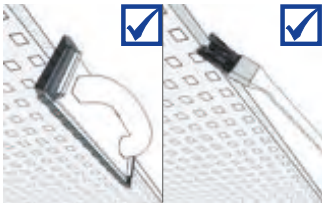
Check ceiling framework for rigidity and evenness (using a straight-edge).

Always mount straight connectors in a staggered manner (see figure). Then check ceiling grid CD sections for centre distances and adjust as necessary.
Measure centre distances accurately!



Prior to installation, chamfer edges on visible sides of ceiling panels at 45 degrees using handheld sander. Prime edge area of gypsum core with Vogl Supergrund LF.

Angle must be 45 degrees.



We recommend the following accessories for installation:
Perforated panel screws incl. screw bit, Vogl mounting aid, Vogl Supergrund LF

Correct handling of ceiling panels:

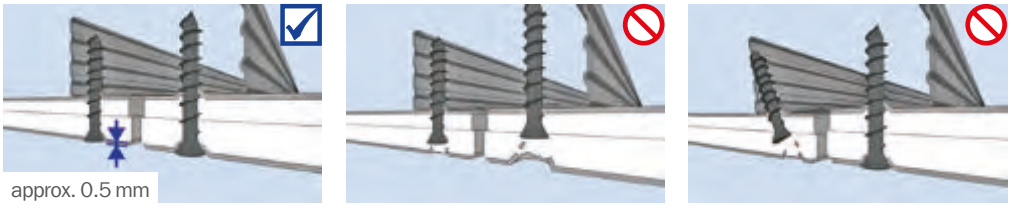
- Always take into account the load carrying capacity of building when storing ceiling panels
- Do not store ceiling panels upright, but always flat on panel pallets
- Always carry ceiling panels with short edges upright
- Protect ceiling panels from moisture; relative humidity should be 40 - 80 %
- Avoid major temperature fluctuations
- Do not expose stored ceiling panels to direct sunlight

As viewed from entrance to the area, choose panel arrangement with short edge parallel to the windows (main direction of light).

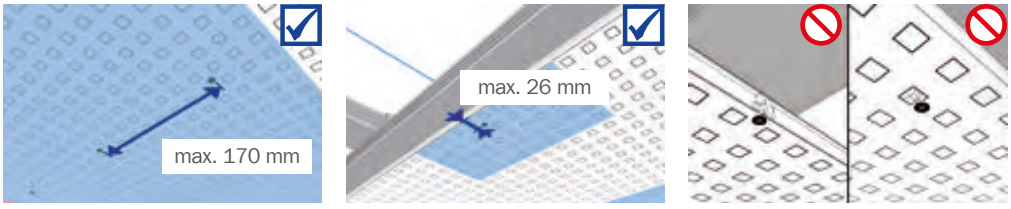
Get panel to correct position on framework using a panel lifter if working alone, or else another worker's help.

Perforation pattern	Centre distance
Straight round perforation 6/18, 8/18, 10/23, 12/25 Offset round perforation 8/12/50, Straight square perforation 8/18, 12/25, Random perforation 8/15/20, 12/20/35	333 mm
Straight round perforation 15/30 Offset round perforation 12/20/66	330 mm

Screws must be put into panel at right angles and countersunk head screwed down to 0.5 mm below visible surface of ceiling panel.



Screws should be spaced 170 mm at max. from fixing point to fixing point. Distance between screw and panel edge not to exceed 26 mm. Avoid damaging acoustic design panels by countersunk heads.



First, screw ceiling panel to framework in centre of panel, then lower panel lifter and fix a screw in centre of each short edge before finally screwing down long edges.

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Compound Seam – Ceiling Panel Installation

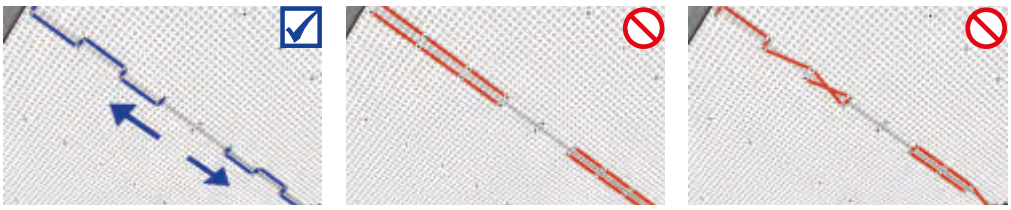
Take note of panel labelling (stamp) and mount in direction of reading (all stamps should point in same direction).

Use CD profile or straightedge as end stop. Position next panel by sliding it to first alongside CD profile / straightedge and fixing it in place.

General site conditions / Manufacturer's instructions:

- Take movement joints of building structure into account
- Plan to include expansion joints after approx. every 10 m or approx. 100 m²
- Cardboard layer must not be penetrated by screws, but merely displaced downwards
- Working temperature should be at least +10 °C and job site temperature not below +5 °C
- Place any damping (mineral wool layer) directly onto the ceiling panels
- Carry out any additional work on ceiling (access openings, lighting recesses, etc.) immediately after installing ceiling panels and always before finishing joints

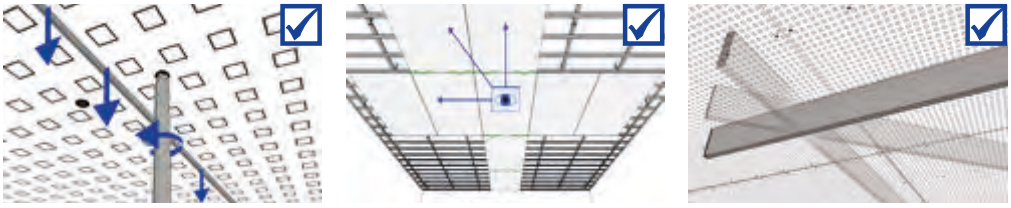
Fix screws in panel joint area using alternating pairs across panels ("zig-zag" principle), starting left or right next to screw which has already been fixed. This will create flush joint areas.



Install ceiling panels first lengthways, then crossways, resulting in cross arrangement on ceiling. Cover remaining areas in same manner, working from centre of room outwards.

Install rest of ceiling panels, always working with two mounting aids (except in case of random perforation) and heeding proper seating of mounting aids. Install panels exclusively in "cross joint" system and always check optical appearance of perforation (straight and diagonal).

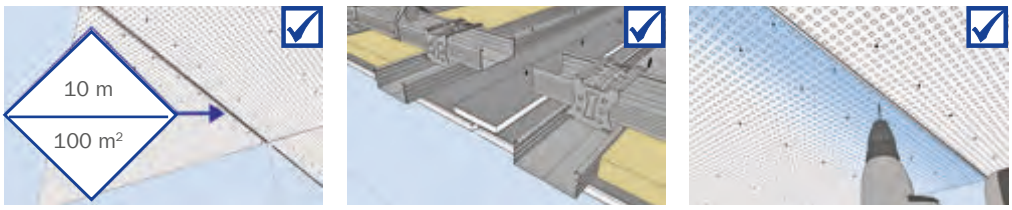
After all panels have been installed, recheck that all joints are level and adjust, if necessary, using a screwdriver. Do another visual check of perforation pattern, and finally use a straightedge to check entire ceiling.



Place any damping layer directly onto back of ceiling panels.

Never screw into UD28 profile when mounting panels at ceiling perimeter.

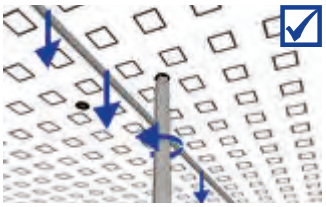
Provide for expansion joint of 5 to 10 mm every 10 linear metres / 100 m².
Additional board strip above joint must be screwed down on one side only.



Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Important! All work that could result in damage to ceiling surface must be completed before commencing jointing.

Check ceiling, adjust any height discrepancies in joint area with a screw driver.



Mix joint compound in a clean pail according to manufacturer's instructions.

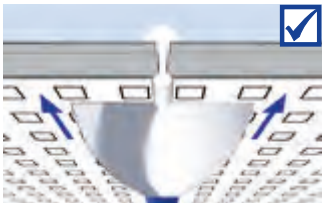
General site conditions / Manufacturer's instructions:

- Working temperature should be at least +10 °C and job site temperature not below +5 °C
- Avoid sudden heating and cooling of rooms
- Relative humidity: 40 - 80 %
- Self-levelling, cement or asphalt screeds must be fully dried – make sure there is no residual moisture

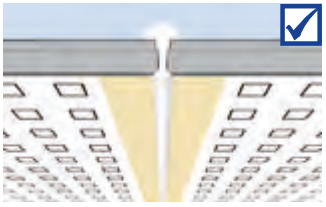
Load cartridge and fill joints generously holding cartridge as upright as possible to ensure complete filling of joints.

To achieve high joint strength, make sure a "mushroom" forms between two panels (see figure).

After joint compound has started to cure, and before it has hardened completely, remove any protruding material working in longitudinal direction of joint.



Then refill joints and screw heads with joint or finishing material, having covered perforation adjacent to joint with masking tape beforehand.

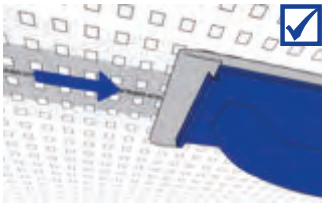


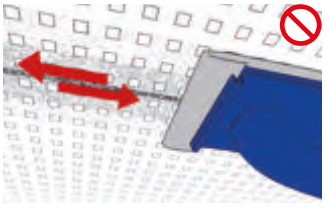
Any holes closed with joint compound can be re-opened using a perforation wheel.

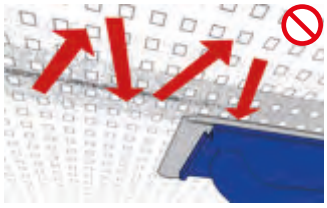
Surface treatment for painters
(in accordance with ATV painting work DIN 18363)

- Only apply coating by roller; spray application is not permitted!
- Prior to application of paint coat, a primer should generally be applied in accordance with manufacturer's specifications
- Manufacturer's recommended drying times for both primer and finishing coat must be strictly observed
- Alkaline coatings are unsuitable for plasterboards
- 3 coats of paint must be applied (1 prime coat + 2 finishing coats) and recommended drying times adhered to
- Always consult system manufacturer's technical data sheets for primers and finishing coats

After joint compound has completely cured, use a handheld sander to smooth the area.







Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Acoustic Design Panels
(with air purification effect) – Compound Seam system

Suspended ceiling structure, one side clad with Vogl acoustic design panels backed with sound absorbing fleece, mounted to a rigid ceiling framework of galvanised metal profiles, hung with flush and horizontally aligned suspended brackets and installed using fixing materials approved by the building authorities, installation in accordance with manufacturer's instructions, including all connection and jointing work as well as connection and fixing materials.

System structure

Framework in accordance with DIN 18181:2007-02

Profiles:

Pressure-resistant design made from galvanised sheet steel profiles CD 60/27 as primary and secondary profiles in accordance with EN 14195

Suspended brackets:

- Suspend with vernier systems (top part, vernier hanger)*
- Suspend with vernier systems (top / bottom part)*
- Suspend with direct suspended brackets*
- Use fixing materials approved by the relevant building authorities.

Connection:

For primary-secondary profile connection with cross connectors, use suspended brackets and cross connectors in accordance with EN 13964.

Suspended bracket centre distance: max. 900 mm,
Primary profile centre distance: max. 1,100 mm,
Secondary profile centre distance: 330/333 mm*

Covering:

Vogl acoustic design panels as perforated ceiling panels in accordance with EN 14190, with air purification effect, one layer 12.5 mm, laid with mounting aid and fixed to framework using perforated panel screws SN 30, with screw spacing max. 170 mm.

Perforation pattern / perforated area / mass per unit area:

- 6/18 round / 8.7 % / 9.1 kg/m²*
- 8/18 round / 15.5 % / 8.5 kg/m²*
- 10/23 round / 14.8 % / 8.5 kg/m²*
- 12/25 round / 18.1 % / 8.2 kg/m²*
- 15/30 round / 19.6 % / 8.0 kg/m²*
- 8/12/50 round / 13.1 % / 8.7 kg/m²*
- 12/20/66 round / 19.6 % / 8.0 kg/m²*
- 8/18 square / 19.8 % / 8.0 kg/m²*
- 12/25 square / 23.0 % / 7.7 kg/m²*
- 8/15/20 round / 9.5 % / 9.1 kg/m²*
- 12/20/35 round / 11.0 % / 8.9 kg/m²*

Distributed load:

- less than or equal to 0.15 kN/m²*
- less than or equal to 0.30 kN/m²*

Fleece backing:

Panels backed with sound absorbing fleece as:

- acoustic fleece, black*
- acoustic fleece, white*

Joint finishing / filling:

Fill screw heads flush with surface. Carry out joint finishing using Compound Seam system in accordance with manufacturer's instructions. Use joint compound as per EN 13963.

Subbase:

Suspension height:	h = mm
Installation height:	h = mm
Room height:	h = mm
Insulation thickness:	th = mm

Complete system: Vogl Deckensysteme, or equivalent

* Delete as applicable

System Training

Our know-how for your result reliability

Topic:

Installation of acoustic design ceilings – Various joint systems

Description

For installation of different acoustic panel systems, there are also fundamental differences in finishing of joints. In addition to theoretical fundamentals, our system training offers mainly practical guidelines for installation work on site. Another topic of Vogl System Training, beside suspension and connection with various components, is how to solve problems (expansion joints, integrated ceiling elements and wall connections).

Topics

- The variety of joint types and panel systems (including VoglFuge, Compound Seam, GSG4 Joint)
- Panel arrangement and sensible space division for installation
- Proper joint finishing in various systems
- Frequent wall connections and how to execute them properly
- Expansion joints in ceiling area / regulations and recommendations
- Integrated ceiling components – fundamentals and problems
- Various types of frieze and how to execute them
- How to avoid typical processing errors in installation work mentioned

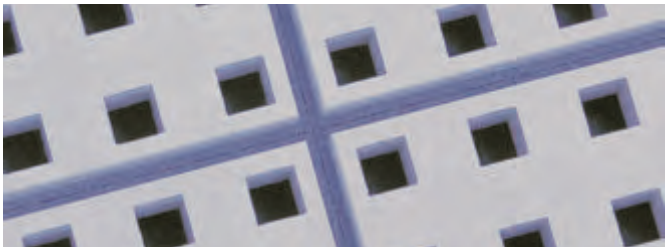
Targets

After completion of seminar, system training participants shall

- understand and be able to apply current standards and regulations
- recognise and avoid typical installation errors
- be able to avoid any problems that may be caused by coating through subsequent trades

Target group

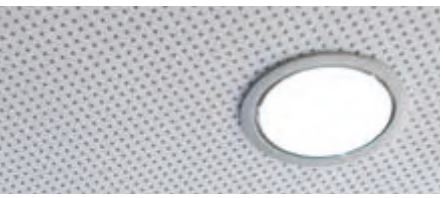
This system training is equally suited for site and project managers as well as for drywall installers and interior construction workers. Also, technically adept employees in sales or from building material dealers' can extend their knowledge about proper installation of ceiling structures.



A registration form is available on page 189. You have any questions in advance? We are glad to assist you! Phone: +49 9104 825-100

Registration is possible by e-mailing info@vogl-ceilingsystems.com directly or by fax to +49 9104 825-280.
You can also find all information on training under www.vogl-ceilingsystems.com

Ball-impact Resistant Ceiling



Full Score
for Acoustics and Ball-impact Resistance

Realising perfect gym hall ceilings with the VoglFuge system

with air purification effect as a standard feature

Full Score for your Ceiling

In sports facilities and multi-purpose halls, ceiling systems not only require acoustic effectiveness, but also special stability. Particularly in highly frequented areas, acoustic ceilings serve as sound absorbers and offer a pleasant atmosphere both for sports and for cultural and music events.

Ideal conditions for using our VoglFuge system which allows ball-impact resistant acoustic design ceilings to be realised quickly, economically and with reliable results.

Benefits of the VoglFuge system:

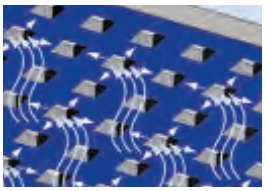
The unique joint technology offers ultimate safety in installation and result also for the ball-impact resistant ceiling structure:

- Different panel variations in 12.5 mm or 15.0 mm thickness
- Ball-impact resistance in compliance with DIN 18032-3 and DIN EN 13964 Appendix D
- Quick mounting of panels – "edge-to-edge"
- Maximum crack resistance
- Quickest possible joint finishing with our unique VoglFuge strip
- Significant time saving due to quick installation and drying times
- Always complete with the VoglFuge System Kit
- Including perforated panel screws SN 3.5 x 30 mm

VoglFuge System Kit includes the required material, tools and a detailed assembly instruction to ensure top quality of workmanship and result.

The right tools at the right time in exactly the right place.

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com



Our acoustic design panels are perforated ceiling panels with high acoustic performance and air purification effect (adsorption).

Other available options: Acoustic design panels with non-perforated edges, block perforation, applications, manufacture in accordance with customer designs and ceiling plans.

Based on standard: EN 14190 "Gypsum plasterboard products from reprocessing"
Fire rating: A2-s1, d0 (non-flammable) according to EN 13501-1
Long edge: SK (sharp-edged)
Short edge: SK (sharp-edged)

with air purification effect as a standard feature

tested for contaminants LGA

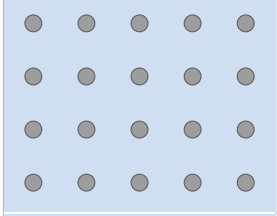
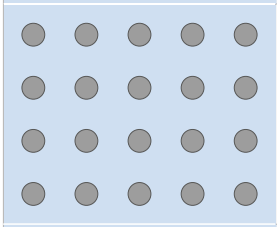
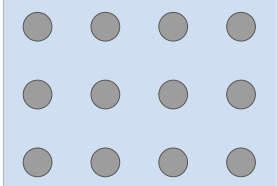
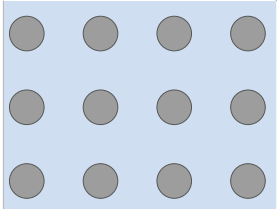
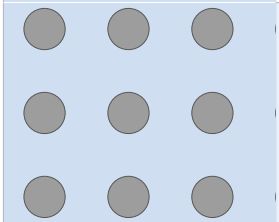
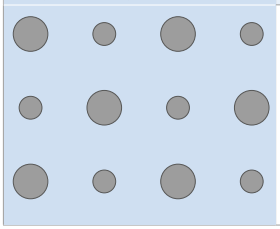
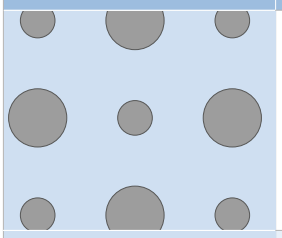
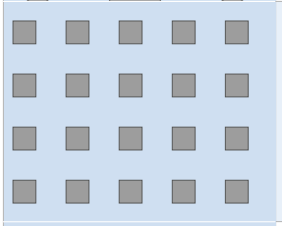
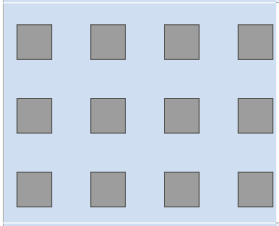
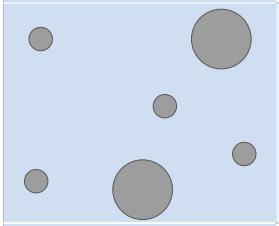
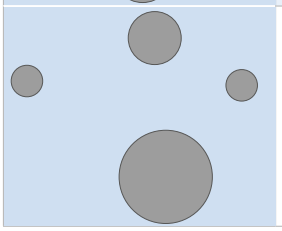
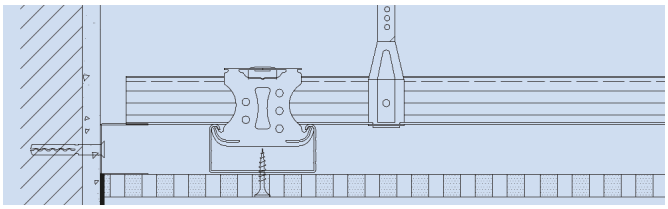
Illustration	Item number	Description	Details	m²/pallet Pcs./pallet
	LP-00256 LP-00258 LP-00907 LP-00908	Acoustic Design Panel VF 6/18R Acoustic fleece, black Acoustic Design Panel VF 6/18R Acoustic fleece, white Acoustic Design Panel VF 6/18R Acoustic fleece, black Acoustic Design Panel VF 6/18R Acoustic fleece, white	1,188 x 1,998 x 12.5 mm Perforated area: 8.7 % Mass: 9.1 kg/m² 1,188 x 1,998 x 15.0 mm Perforated area: 8.7 % Mass: 11.4 kg/m²	59.3 m² 25 pieces 59.3 m² 25 pieces
	LP-00262 LP-00264 LP-00910 LP-00911	Acoustic Design Panel VF 8/18R Acoustic fleece, black Acoustic Design Panel VF 8/18R Acoustic fleece, white Acoustic Design Panel VF 8/18R Acoustic fleece, black Acoustic Design Panel VF 8/18R Acoustic fleece, white	1,188 x 1,998 x 12.5 mm Perforated area: 15.5 % Mass: 8.5 kg/m² 1,188 x 1,998 x 15.0 mm Perforated area: 15.5 % Mass: 10.5 kg/m²	59.3 m² 25 pieces 59.3 m² 25 pieces
	LP-00268 LP-00270 LP-00913 LP-00914	Acoustic Design Panel VF 10/23R Acoustic fleece, black Acoustic Design Panel VF 10/23R Acoustic fleece, white Acoustic Design Panel VF 10/23R Acoustic fleece, black Acoustic Design Panel VF 10/23R Acoustic fleece, white	1,196 x 2,001 x 12.5 mm Perforated area: 14.8 % Mass: 8.5 kg/m² 1,196 x 2,001 x 15.0 mm Perforated area: 14.8 % Mass: 10.6 kg/m²	59.8 m² 25 pieces 59.8 m² 25 pieces
	LP-00274 LP-00276 LP-00916 LP-00917	Acoustic Design Panel VF 12/25R Acoustic fleece, black Acoustic Design Panel VF 12/25R Acoustic fleece, white Acoustic Design Panel VF 12/25R Acoustic fleece, black Acoustic Design Panel VF 12/25R Acoustic fleece, white	1,196 x 2,000 x 12.5 mm Perforated area: 18.1 % Mass: 8.2 kg/m² 1,200 x 2,000 x 15.0 mm Perforated area: 18.1 % Mass: 10.2 kg/m²	60.0 m² 25 pieces 60.0 m² 25 pieces
	LP-00280 LP-00282 LP-00919 LP-00920	Acoustic Design Panel VF 15/30R Acoustic fleece, black Acoustic Design Panel VF 15/30R Acoustic fleece, white Acoustic Design Panel VF 15/30R Acoustic fleece, black Acoustic Design Panel VF 15/30R Acoustic fleece, white	1,200 x 1,980 x 12.5 mm Perforated area: 19.6 % Mass: 8.0 kg/m² 1,200 x 1,980 x 15.0 mm Perforated area: 19.6 % Mass: 10.5 kg/m²	59.4 m² 25 pieces 59.4 m² 25 pieces
	LP-00286 LP-00288 LP-00922 LP-00923	Acoustic Design Panel VF 8/12/50R Acoustic fleece, black Acoustic Design Panel VF 8/12/50R Acoustic fleece, white Acoustic Design Panel VF 8/12/50R Acoustic fleece, black Acoustic Design Panel VF 8/12/50R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 13.1 % Mass: 8.7 kg/m² 1,200 x 2,000 x 15.0 mm Perforated area: 13.1 % Mass: 10.9 kg/m²	60.0 m² 25 pieces 60.0 m² 25 pieces

Illustration	Item number	Description	Details	m²/pallet Pcs./pallet
	LP-00292 LP-00294 LP-00925 LP-00926	Acoustic Design Panel VF 12/20/66R Acoustic fleece, black Acoustic Design Panel VF 12/20/66R Acoustic fleece, white Acoustic Design Panel VF 12/20/66R Acoustic fleece, black Acoustic Design Panel VF 12/20/66R Acoustic fleece, white	1,188 x 1,980 x 12.5 mm Perforated area: 19.6 % Mass: 8.0 kg/m² 1,188 x 1,980 x 15.0 mm Perforated area: 19.6 % Mass: 10.0 kg/m²	58.8 m² 25 pieces 58.8 m² 25 pieces
	LP-00298 LP-00300 LP-00928 LP-00929	Acoustic Design Panel VF 8/18Q Acoustic fleece, black Acoustic Design Panel VF 8/18Q Acoustic fleece, white Acoustic Design Panel VF 8/18Q Acoustic fleece, black Acoustic Design Panel VF 8/18Q Acoustic fleece, white	1,188 x 1,998 x 12.5 mm Perforated area: 19.8 % Mass: 8.0 kg/m² 1,188 x 1,998 x 15.0 mm Perforated area: 19.8 % Mass: 10.0 kg/m²	59.3 m² 25 pieces 59.38 m² 25 pieces
	LP-00304 LP-00306 LP-00931 LP-00932	Acoustic Design Panel VF 12/25Q Acoustic fleece, black Acoustic Design Panel VF 12/25Q Acoustic fleece, white Acoustic Design Panel VF 12/25Q Acoustic fleece, black Acoustic Design Panel VF 12/25Q Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 23.0 % Mass: 7.7 kg/m² 1,200 x 2,000 x 15.0 mm Perforated area: 23.0 % Mass: 9.6 kg/m²	60.0 m² 25 pieces 60.0 m² 25 pieces
	LP-00310 LP-00312 LP-00934 LP-00935	Acoustic Design Panel VF 8/15/20R Acoustic fleece, black Acoustic Design Panel VF 8/15/20R Acoustic fleece, white Acoustic Design Panel VF 8/15/20R Acoustic fleece, black Acoustic Design Panel VF 8/15/20R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 9.5 % Mass: 9.1 kg/m² 1,200 x 2,000 x 15.0 mm Perforated area: 9.5 % Mass: 11.3 kg/m²	60.0 m² * 25 pieces 60.0 m² * 25 pieces
	LP-00316 LP-00318 LP-00937 LP-00938	Acoustic Design Panel VF 12/20/35R Acoustic fleece, black Acoustic Design Panel VF 12/20/35R Acoustic fleece, white Acoustic Design Panel VF 12/20/35R Acoustic fleece, black Acoustic Design Panel VF 12/20/35R Acoustic fleece, white	1,200 x 2,000 x 12.5 mm Perforated area: 11.0 % Mass: 8.9 kg/m² 1,200 x 2,000 x 15.0 mm Perforated area: 11.0 % Mass: 11.1 kg/m²	60.0 m² * 25 pieces 60.0 m² * 25 pieces

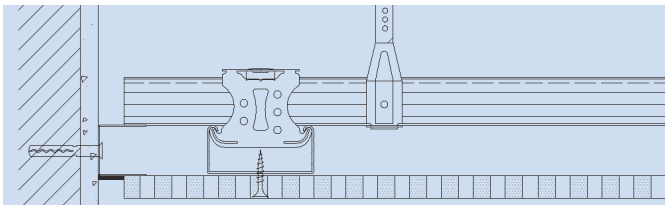
*Note: Despite being perforated irregularly, random perforation panels still yield a certain linear layout as the abutting panel edges must be non-perforated in any case. This is unavoidable and independent of the workmanship of the specialist contractor.

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com



Wall connection:

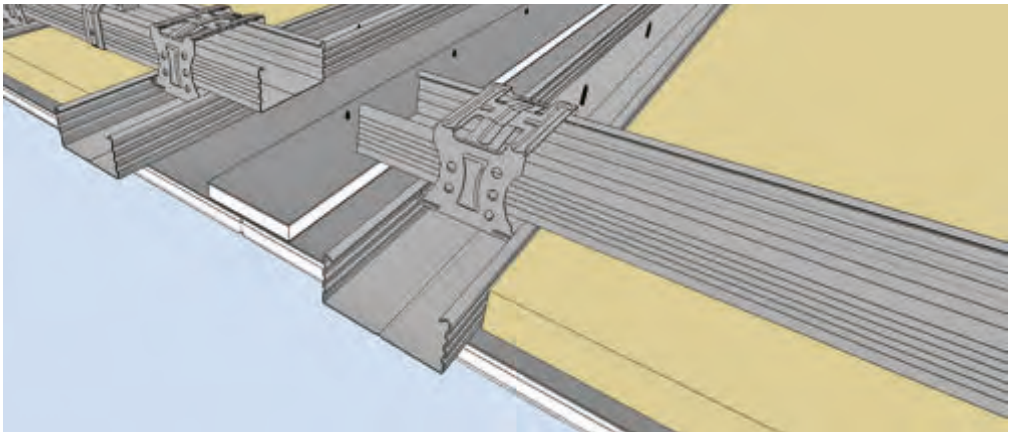
For filled wall connections, or wall connections filled from below, a double layer fleece strip is used to separate acoustic ceiling from wall.



Wall connection – shadow gap:

For wall connections with shadow gap, the panel is only installed up to UD profile as this may be covered with a strip of adhesive double layer fleece in order to colour shadow gap.

Please contact us if you require additional technical details on possible wall connections.



Expansion joints:

To prevent cracking in ceiling surface, expansion joints have to be provided every 10 linear metres / 100 m² of ceiling area.

Framework must be completely severed (see illustration) and panel strips above joint fixed to one side of ceiling structure only.

Tip: Panel strip may be covered with adhesive double layer fleece on visible side if colouring expansion joint in either black or white is desired.

Material required per m² based on a ceiling of 100 m² (10 m x 10 m, not considering loss or waste, approximate values):

Metal framework, suspended bracket centre distance 1,000 mm, primary profile spacing 900 mm, secondary profile spacing 333 mm			
Item number	**Item description**	**Unit**	**Quantity**
Fixation			
Standard	Safety nail, DN 6 x 35	piece	1.3
Suspended brackets			
See product range	Direct suspended bracket 50/120/200 and	piece	1.3
100994	Tapping screw LN 3.5 x 9.5	piece	2.6
	or		
See product range	Vernier hanger / vernier bottom part and	piece	1.3
100981	Vernier security pin and	piece	1.3
See product range	Vernier top part, 200 - 2,000 mm, custom lengths on request	piece	1.3
Profiles and connectors			
See product range	CD profile 60/27/0.6 rK, l=XXX mm	m	4.1
PR0-00106	UD profile 28/27/0.6, 3,000 mm	m	0.4
101595	Connector, lengthwise, CD 60/27	piece	0.8
101567	Cross connector, CD 60/27	piece	3.3
100995	Perforated panel screw SN 3.5 x 30	piece	22

Note: In case of shorter secondary profile centres, the quantities consumed shall be increased accordingly.

Primary profiles are rigidly hung from structural soffit with suspended brackets using fixing materials approved by the relevant building authorities.
Centre distance and number of suspended brackets, as well as fixation, are subject to site requirements and EN 13964/DIN 18181.
CD 60/27 secondary profiles are attached to CD 60/27 primary profiles using cross connectors.

CD 60/27 are extended using straight connectors. For primary grid profiles, always ensure that joint is close to a suspended bracket (max. 100 mm). Joints should generally be staggered.

Plasterboards should be installed in accordance with EN 13964/DIN 18181 and manufacturer's guidelines.

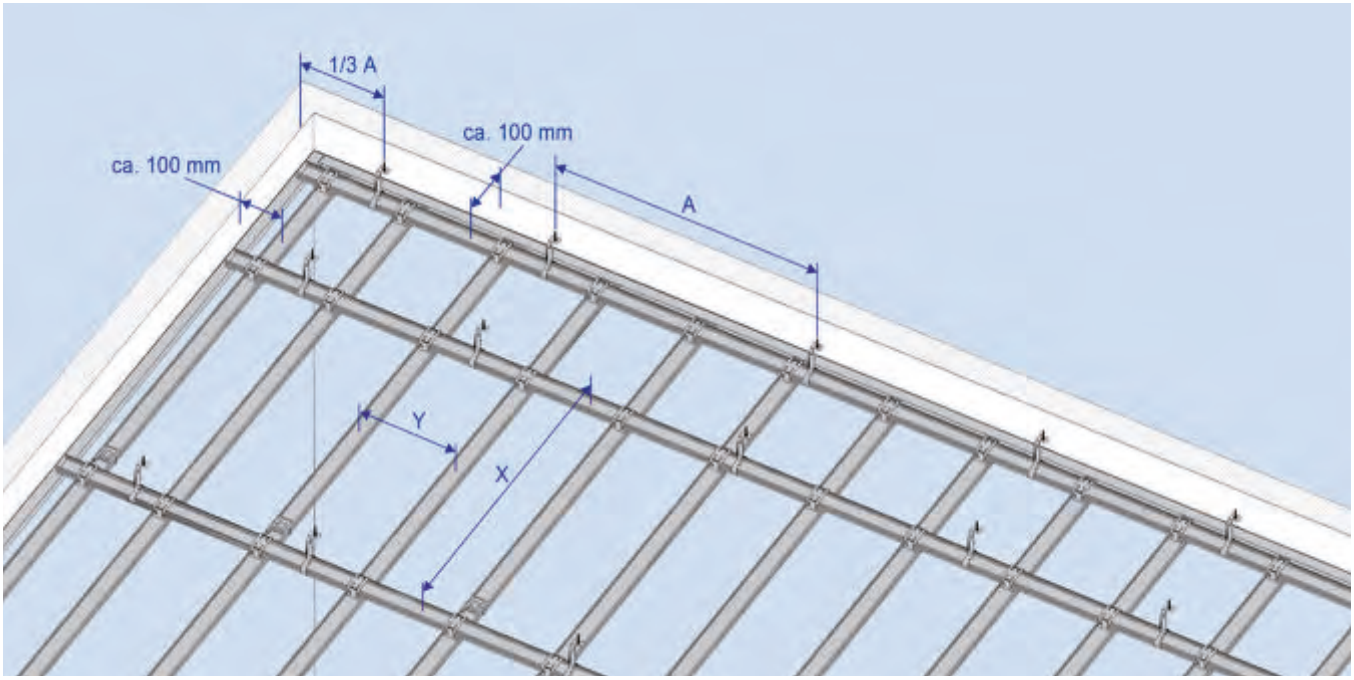
Additional items such as lighting, ventilation, sprinkler systems etc. must be individually suspended.

Any changes in framework owing to integrated ceiling components must be considered.

Block perforations and block slotting require different secondary profile centre distances which are shown in our tables.

Ball-impact Resistant Ceiling framework								
Technical data	Unit	Perforated panel ceiling						
Panel thickness	mm	12.5						
Distributed load	kN/m²	≤ 0.15					≤ 0.30	
Centre distance of suspended bracket A	mm	1,150	1,050	1,000	950	900	900	750
Centre distance of primary profiles X	mm	600	800	900	1,000	1,100	600	1,000
Centre distance of secondary profiles Y	mm	see table below						

Item	Unit	Centre distance of secondary profiles Y
see table on page 107		



Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Our ceiling system was tested in accordance with DIN 18032-3: 1997-04 “Gyms, halls for gymnastics and games and multi-purpose use, testing of ball impact resistance” as well as EN 13964: 2007-02, Appendix D “Suspended ceilings: requirements and testing methods, impact resistance”.

Our acoustic design panels were tested by an accredited testing institute on the basis of the aforementioned standards. The testing consisted in the ceiling panels being pelted with a handball with a total of 36 shots at various angles of impact on the suspended ceiling.

The tested ceiling panels withstood the stress without any damage. The systems are thus tested as “ball-impact resistant” in compliance with DIN 18032-3 for the application area of “Ceiling” as well as EN 13964 Appendix D as “Class 1A”.

This applies to the following acoustic design ceiling panels in conjunction with the secondary profile centres indicated:

Acoustic design panel, th = 12.5 mm		
Item	**Perforated area**	**Centre distance of secondary profiles Y (mm)**
6/18 round	8.7 %	250
8/18 round	15.5 %	250
10/23 round	14.8 %	250
12/25 round	18.1 %	200
15/30 round	19.6 %	200
8/12/50 round	13.1 %	250
12/20/66 round	19.6 %	200
8/18 square	19.8 %	200
12/25 square	23.0 %	200
8/15/20 round	9.5 %	250
12/20/35 round	11.0 %	250

Acoustic design panel, th = 15.0 mm		
Item	**Perforated area**	**Centre distance of secondary profiles Y (mm)**
6/18 round	8.7 %	333
8/18 round	15.5 %	333
10/23 round	14.8 %	333
12/25 round	18.1 %	333
15/30 round	19.6 %	330
8/12/50 round	13.1 %	333
12/20/66 round	19.6 %	330
8/18 square	19.8 %	333
12/25 square	23.0 %	333
8/15/20 round	9.5 %	333
12/20/35 round	11.0 %	333

Acoustic Design Panels for “Ball-impact Resistant Ceiling” (with air purification effect) – VoglFuge system

Suspended ceiling structure, one side clad with Vogl acoustic design panels, backed with sound absorbing fleece, mounted to a rigid ceiling framework of galvanised metal profiles, hung with flush and horizontally aligned suspended brackets and installed using fixing materials approved by the building authorities, installation in accordance with manufacturer's instructions, including all connection and jointing work as well as connection and fixing materials. Designed as "Ball-impact Resistant Ceiling".

System structure

Framework in accordance with DIN 18181:2007-02

Profiles:

Pressure-resistant design made from galvanised sheet steel profiles CD 60/27 as primary and secondary profiles in accordance with EN 14195

Suspended brackets:

- Rigid suspension in vernier system
- Use fixing materials approved by the relevant building authorities.

Connection:

For primary-secondary profile connection with cross connectors, use suspended brackets and cross connectors in accordance with EN 13964.

Suspended bracket centre distance: max. 900 mm,
Primary profile centre distance: max. 1,100 mm,
Secondary profile centre distance: 200 / 250 / 330 / 333 mm*

Covering:

Vogl Acoustic design panels as perforated ceiling panels in accordance with EN 14190, with air purification effect, one layer 12.5 mm*/15.0 mm*, laid edge-to-edge and fixed to the framework using Vogl perforated panel screws SN 30, with screw spacing max. 170 mm.

Perforation pattern / perforated area / mass per unit area:

- 6/18 round / 8.7 % / 9.1 kg/m²*
- 8/18 round / 15.5 % / 8.5 kg/m²*
- 10/23 round / 14.8 % / 8.5 kg/m²*
- 12/25 round / 18.1 % / 8.2 kg/m²*
- 15/30 round / 19.6 % / 8.0 kg/m²*
- 8/12/50 round / 13.1 % / 8.7 kg/m²*
- 12/20/66 round / 19.6 % / 8.0 kg/m²*
- 8/18 square / 19.8 % / 8.0 kg/m²*
- 12/25 square / 23.0 % / 7.7 kg/m²*
- 8/15/20 round / 9.5 % / 9.1 kg/m²*
- 12/20/35 round / 11.0 % / 8.9 kg/m²*

Ball-impact resistance:

Design tested as “Ball-impact Resistant Ceiling”:
“Ball-impact Resistant” in compliance with DIN 18032-3 for the application area of "Ceiling"; “Impact Resistance Class 1A” as per EN 13964 Appendix D

Distributed load:

- less than or equal to 0.15 kN/m²*
- less than or equal to 0.30 kN/m²*

Fleece backing:

Panels backed with sound absorbing fleece as:

- acoustic fleece, black*
- acoustic fleece, white*

Joint finishing / filling:

Fill screw heads using Vogl screw head and repair filler flush with surface. Carry out joint finishing using VoglFuge system in accordance with manufacturer's instructions.

Subbase:

Suspension height:	h = mm
Installation height:	h = mm
Room height:	h = mm
Insulation thickness:	th = mm

Complete system: Vogl Deckensysteme, or equivalent

* Delete as applicable

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

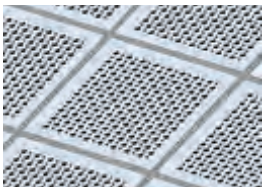
Ceiling Tiles

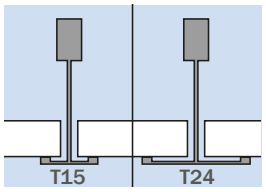
Perfect for Ceilings

with Lots Behind them

Aesthetics and accessibility in perfect harmony

Edge Shape “Basic T15/T24”





Vogl Ceiling Tiles are accessible, perforated ceiling panels with high acoustic performance for installation into T-profile systems.

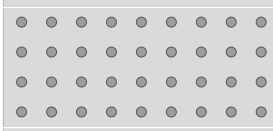
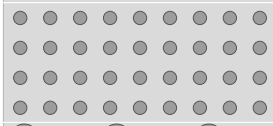
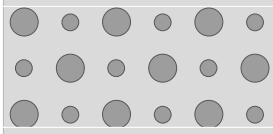
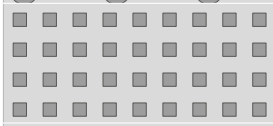
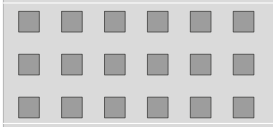
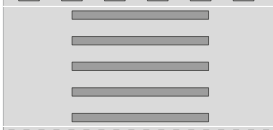
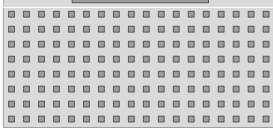
The black acoustic fleece lining on the back (other colours on request) satisfies the highest demands on sound absorption.

Vogl Ceiling Tiles come with a factory-applied, pure white finishing coat (similar to RAL 9010).

Minor deviations in the product properties, in particular minor differences in colour and texture as well as insignificant deviations in length, width and thickness of the material delivered, are not considered defects. Mixing panel material from different production periods should be avoided. We advise ordering by the room.

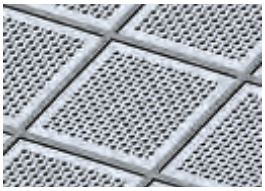
Mounting system: Basic (T15/T24) exposed grid
Based on standard: EN 14190 "Gypsum plasterboard products from reprocessing"
Fire rating: A2-s1, d0 (non-flammable) according to EN 13501-1
Long edge: SK (sharp-edged)
Short edge: SK (sharp-edged)

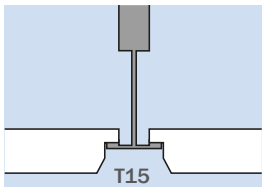
tested for contaminants LGA

Illustration	Item number	Description	Details	Pcs./PU PU/pallet
	KAS-00001 KAS-00021	GP-K Basic 600 T15/T24 non-perforated GP-K Basic 625 T15/T24 non-perforated	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces 28 PU
	KAS-00002 KAS-00022	GP-K Basic 600 T15/T24 6/18R AVS Acoustic fleece, black GP-K Basic 625 T15/T24 6/18R AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces 28 PU
	KAS-00004 KAS-00023	GP-K Basic 600 T15/T24 8/18R AVS Acoustic fleece, black GP-K Basic 625 T15/T24 8/18R AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces 28 PU
	KAS-00012 KAS-00026	GP-K Basic 600 T15/T24 12/20/66R AVS Acoustic fleece, black GP-K Basic 625 T15/T24 12/20/66R AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces 28 PU
	KAS-00013 KAS-00027	GP-K Basic 600 T15/T24 8/18Q AVS Acoustic fleece, black GP-K Basic 625 T15/T24 8/18Q AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces 28 PU
	KAS-00015 KAS-00029	GP-K Basic 600 T15/T24 12/25Q AVS Acoustic fleece, black GP-K Basic 625 T15/T24 12/25Q AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces 28 PU
	KAS-00137 KAS-00138	GP-K Basic 600 T15/T24 5/82/15.4SL AVS Acoustic fleece, black GP-K Basic 625 T15/T24 5/82/15.4SL AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces 28 PU
	KAS-00019 KAS-00030	GP-K Basic 600 T15/T24 3.5/9Q AVS Acoustic fleece, black GP-K Basic 625 T15/T24 3.5/9Q AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces 28 PU

Further perforation patterns/dimensions available on request

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com





Vogl Ceiling Tiles are accessible, perforated ceiling panels with high acoustic performance for installation into T-profile systems.

The black acoustic fleece lining on the back (other colours on request) satisfies the highest demands on sound absorption.

Vogl Ceiling Tiles come with a factory-applied, pure white finishing coat (similar to RAL 9010).

Minor deviations in the product properties, in particular minor differences in colour and texture as well as insignificant deviations in length, width and thickness of the material delivered, are not considered defects. Mixing panel material from different production periods should be avoided. We advise ordering by the room.

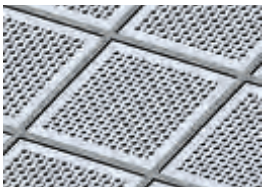
Mounting system: Excellent (T15) rebated grid
Based on standard: EN 14190 "Gypsum plasterboard products from reprocessing"
Fire rating: A2-s1, d0 (non-flammable) according to EN 13501-1
Long edge: FK T15 (bevelled), type Excellent
Short edge: FK T15 (bevelled), type Excellent

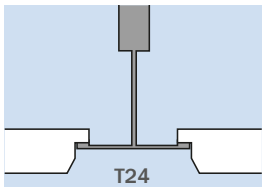
tested for contaminants LGA

Illustration	Item number	Description	Details	Pcs./PU PU/pallet
	KAS-00039 KAS-00066	GP-K Excellent 600 T15 non-perforated GP-K Excellent 625 T15 non-perforated	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces 28 PU
	KAS-00040 KAS-00067	GP-K Excellent 600 T15 6/18R AVS Acoustic fleece, black GP-K Excellent 625 T15 6/18R AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces 28 PU
	KAS-00042 KAS-00139	GP-K Excellent 600 T15 8/18R AVS Acoustic fleece, black GP-K Excellent 625 T15 8/18R AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces 28 PU
	KAS-00046 KAS-00068	GP-K Excellent 600 T15 12/20/66R AVS Acoustic fleece, black GP-K Excellent 625 T15 12/20/66R AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces 28 PU
	KAS-00048 KAS-00069	GP-K Excellent 600 T15 8/18Q AVS Acoustic fleece, black GP-K Excellent 625 T15 8/18Q AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces 28 PU
	KAS-00049 KAS-00071	GP-K Excellent 600 T15 12/25Q AVS Acoustic fleece, black GP-K Excellent 625 T15 12/25Q AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces 28 PU
	KAS-00140 KAS-00141	GP-K Excellent 600 T15 5/82/15.4SL AVS Acoustic fleece, black GP-K Excellent 625 T15 5/82/15.4SL AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces 28 PU
	KAS-00052 KAS-00072	GP-K Excellent 600 T15 3.5/9Q AVS Acoustic fleece, black GP-K Excellent 625 T15 3.5/9Q AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces 28 PU

Further perforation patterns/dimensions available on request

Edge Shape “Excellent T24”





Vogl Ceiling Tiles are accessible, perforated ceiling panels with high acoustic performance for installation into T-profile systems.

The black acoustic fleece lining on the back (other colours on request) satisfies the highest demands on sound absorption.

Vogl Ceiling Tiles come with a factory-applied, pure white finishing coat (similar to RAL 9010).

Minor deviations in the product properties, in particular minor differences in colour and texture as well as insignificant deviations in length, width and thickness of the material delivered, are not considered defects. Mixing panel material from different production periods should be avoided. We advise ordering by the room.

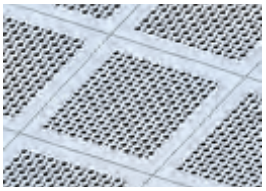
Mounting system:	Excellent (T24) rebated grid
Based on standard:	EN 14190 "Gypsum plasterboard products from reprocessing"
Fire rating:	A2-s1, d0 (non-flammable) according to EN 13501-1
Long edge:	FK T24 (bevelled), type Excellent
Short edge:	FK T24 (bevelled), type Excellent

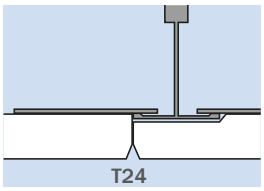
tested for contaminants LGA

Illustration	Item number	Description	Details	Pcs./PU PU/pallet
	KAS-00054 KAS-00074	GP-K Excellent 600 T24 non-perforated GP-K Excellent 600 T24 non-perforated	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces 28 PU
	KAS-00055 KAS-00075	GP-K Excellent 600 T24 6/18R AVS Acoustic fleece, black GP-K Excellent 625 T24 6/18R AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces 28 PU
	KAS-00056 KAS-00119	GP-K Excellent 600 T24 8/18R AVS Acoustic fleece, black GP-K Excellent 625 T24 8/18R AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces 28 PU
	KAS-00142 KAS-00077	GP-K Excellent 600 T24 12/20/66R AVS Acoustic fleece, black GP-K Excellent 625 T24 12/20/66R AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces 28 PU
	KAS-00059 KAS-00078	GP-K Excellent 600 T24 8/18Q AVS Acoustic fleece, black GP-K Excellent 625 T24 8/18Q AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces 28 PU
	KAS-00060 KAS-00079	GP-K Excellent 600 T24 12/25Q AVS Acoustic fleece, black GP-K Excellent 625 T24 12/25Q AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces 28 PU
	KAS-00143 KAS-00144	GP-K Excellent 600 T24 5/82/15.4SL AVS Acoustic fleece, black GP-K Excellent 625 T24 5/82/15.4SL AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces 28 PU
	KAS-00064 KAS-00080	GP-K Excellent 600 T24 3.5/9Q AVS Acoustic fleece, black GP-K Excellent 625 T24 3.5/9Q AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces 28 PU

Further perforation patterns/dimensions available on request

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com





Vogl Ceiling Tiles are accessible, perforated ceiling panels with high acoustic performance for installation into T-profile systems.

The black acoustic fleece lining on the back (other colours on request) satisfies the highest demands on sound absorption.

Vogl Ceiling Tiles come with a factory-applied, pure white finishing coat (similar to RAL 9010).

Minor deviations in the product properties, in particular minor differences in colour and texture as well as insignificant deviations in length, width and thickness of the material delivered, are not considered defects. Mixing panel material from different production periods should be avoided.

Mixing panel material from different production periods should be avoided. Differences in colour and texture might otherwise ensue. We advise ordering by the room.

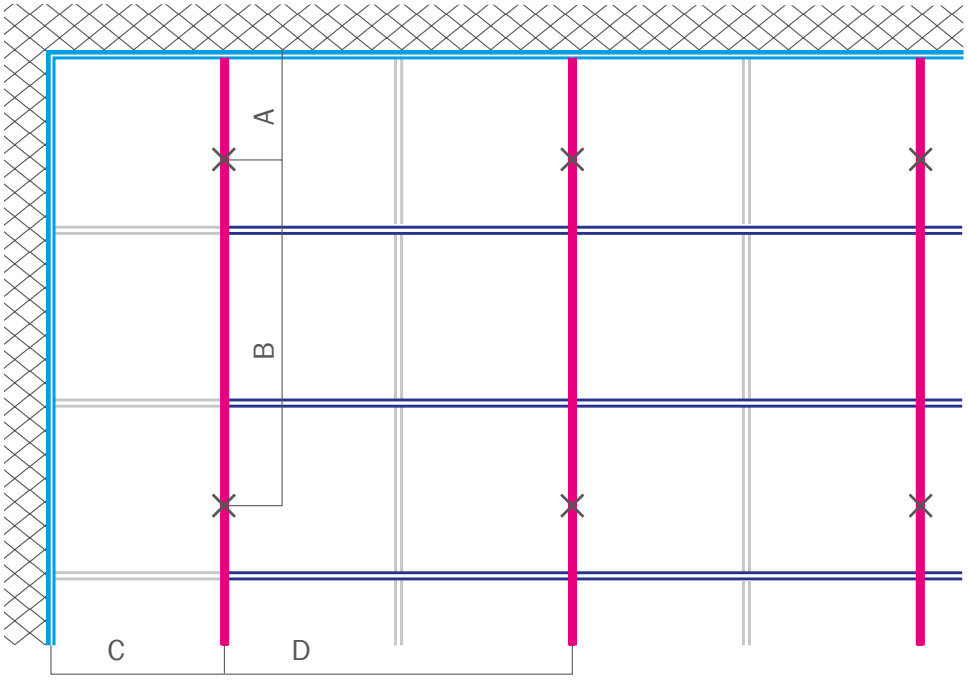
Mounting system: Premium (T24) concealed grid
Based on standard: EN 14190 "Gypsum plasterboard products from reprocessing"
Fire rating: A2-s1, d0 (non-flammable) according to EN 13501-1
Long edge: FK T24 (bevelled), type Premium
Short edge: FK T24 (bevelled), type Premium

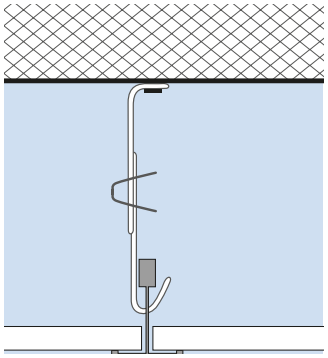
tested for contaminants LGA

Illustration	Item number	Description	Details	Pcs./PU PU/pallet
	KAS-00093 KAS-00104	GP-K Premium 600 T24 non-perforated GP-K Premium 625 T24 non-perforated	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces 28 PU
	KAS-00094 KAS-00105	GP-K Premium 600 T24 6/18R AVS Acoustic fleece, black GP-K Premium 625 T24 6/18R AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces 28 PU
	KAS-00096 KAS-00145	GP-K Premium 600 T24 8/18R AVS Acoustic fleece, black GP-K Premium 625 T24 8/18R AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces 28 PU
	KAS-00146 KAS-00147	GP-K Premium 600 T24 12/20/66R AVS Acoustic fleece, black GP-K Premium 625 T24 12/20/66R AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces 28 PU
	KAS-00097 KAS-00106	GP-K Premium 600 T24 8/18Q AVS Acoustic fleece, black GP-K Premium 625 T24 8/18Q AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces 28 PU
	KAS-00099 KAS-00107	GP-K Premium 600 T24 12/25Q AVS Acoustic fleece, black GP-K Premium 625 T24 12/25Q AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces 28 PU
	KAS-00148 KAS-00149	GP-K Premium 600 T24 5/82/15.4SL AVS Acoustic fleece, black GP-K Premium 625 T24 5/82/15.4SL AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces 28 PU
	KAS-00102 KAS-00108	GP-K Premium 600 T24 3.5/9Q AVS Acoustic fleece, black GP-K Premium 625 T24 3.5/9Q AVS Acoustic fleece, black	600 x 600 x 12.5 mm 625 x 625 x 12.5 mm	6 pieces 28 PU

Further perforation patterns/dimensions available on request

Basic T15/T24 ("exposed" grid):

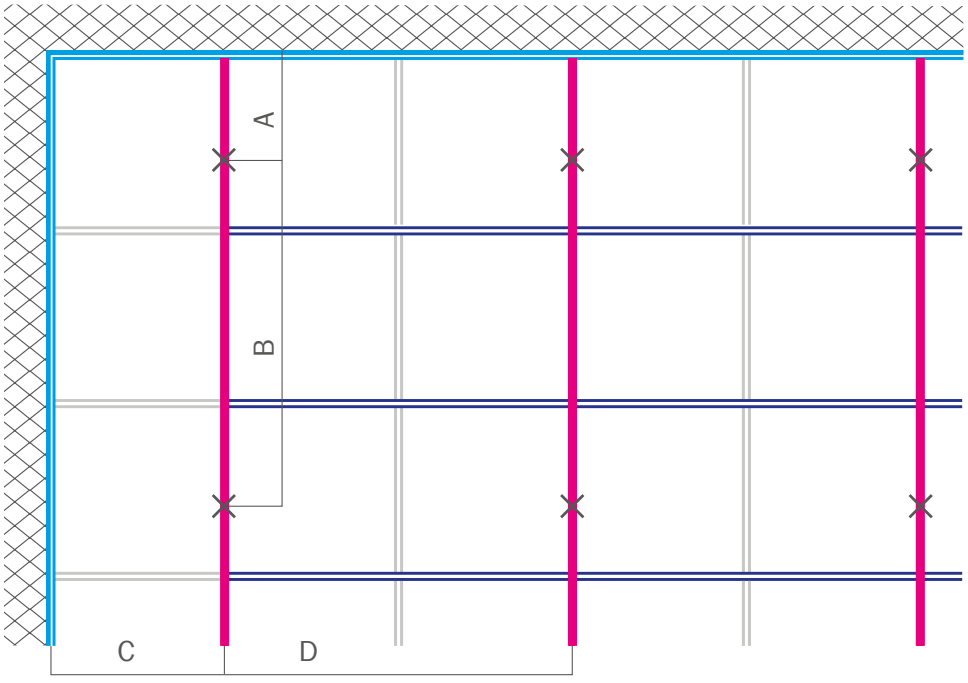


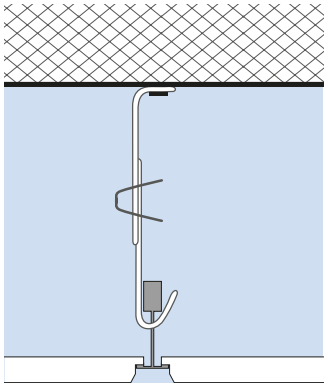


Wall angle or stepped wall angle
Secondary profile
Cross profile "long"
Cross profile "short"
Quick hanger (type dependent on suspension height)

A = max. 400 mm B = max. 1,200/1,250 mm C = max. 600/625 mm D = 600/1,200 mm or 625/1,250 mm

Excellent T15/T24 ("rebated" grid):



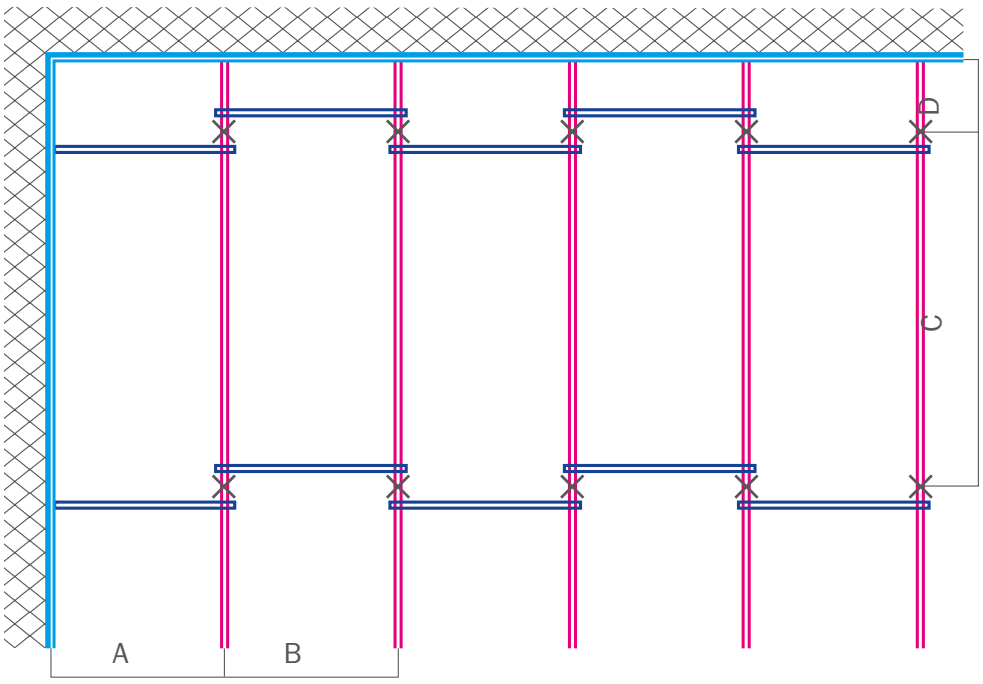


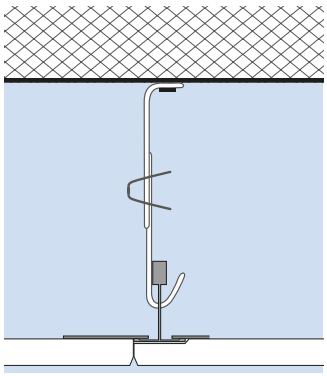
Wall angle or stepped wall angle
Secondary profile
Cross profile "long"
Cross profile "short"
Quick hanger (type dependent on suspension height)

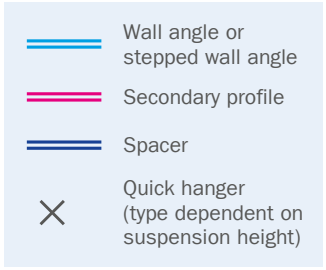
A = max. 400 mm B = max. 1,200/1,250 mm C = max. 600/625 mm D = 600/1,200 mm or 625/1,250 mm

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Premium T24 ("concealed" grid):

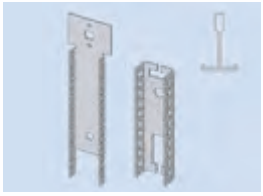




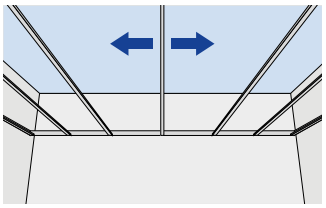


A = max. 600/625 mm B = max. 600/625 mm C = max. 1,500 mm D = max. 100 mm

Possible suspended brackets:

Standard suspension:	Item numbers			Item numbers	
	100961 100962 100963 101810	Easy-span hanger hooked wire/hooked wire		100926	Quick hanger T-profile
	100965 100966 100967 100968	Easy-span hanger hooked wire/eyelet wire		100927	Quick hanger T-profile Klick Fix II
Rigid suspension:	**Item numbers**			**Item numbers**	
	100975	Vernier suspended bracket, bottom part for T-profile		100969 100970 100971	Vernier short hanger set, for T-profile

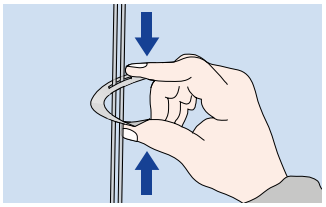
Alignment of ceiling framework must always be started in room centre. Observe framework manufacturer's installation instructions.



General site conditions:

- Site temperature should not fall below +5 °C
- Avoid major fluctuations in temperature and humidity
- Always store tiles in a dry place, protected against moisture
- Observe maximum stacking height during shipping and storage
- Avoid damage to surface finish by all means

After completion of framework installation, check entire ceiling surface to make sure that secondary profiles are perfectly aligned. Adjust easy-span hangers to make sure they fit tightly and structure is level.

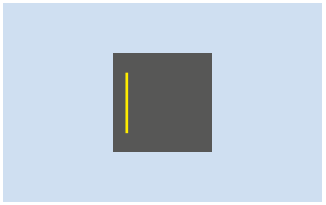


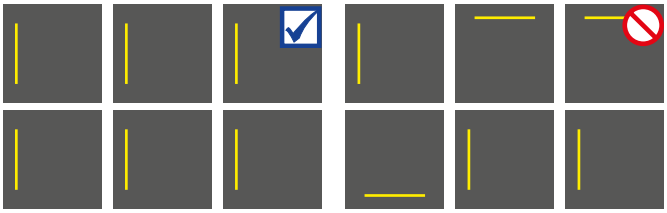
IMPORTANT!

Wear clean fabric gloves when handling tiles!

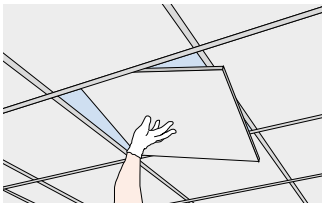
TIP: Make sure perimeter tiles are always bigger than half a tile! (Align structure accordingly). Always use tiles of same batch within one room.

All ceiling tiles have a marking on back side. Marking indicates direction of installation (it must always point in one direction). Failure to observe direction of installation results in a "shadow effect".





Now insert tiles in T-profiles observing special features of respective edge type. Always wear clean gloves throughout installation work.



Repair & upgrade:

Special factory-applied surface texture of tiles allows later repairs only on a minor scale. Should re-coating of ceiling tiles become necessary, paint must by all means be applied with a roller (see "Paining Instructions"). For this purpose, remove tiles from grid individually.

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

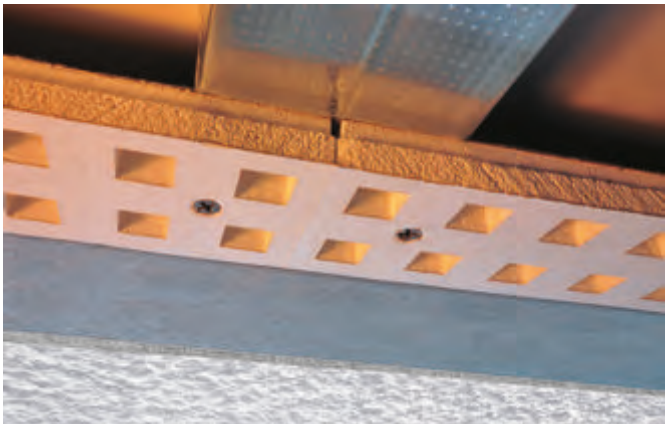
VoglToptec

Attractive in Appearance, *Highly Active in Acoustics*

The acoustic plaster system with guaranteed results

Perfect acoustic plaster ceilings are a question of technique

Besides the acoustically highly effective perforated panels, acoustic plasters can also be used to significantly improve room acoustics through wall and ceiling surfaces. Each of these techniques can in itself offer a highly effective acoustic solution. Combined, they are an unbeatable team in terms of aesthetics and sound absorption. So far, however, working with conventional plaster base panels was more like using smooth gypsum plasterboards than a modern installation technique. VoglToptec works quite differently and, above all, without requiring any filler.



Economical and ultra-efficient:

A milestone in acoustic plaster ceilings:

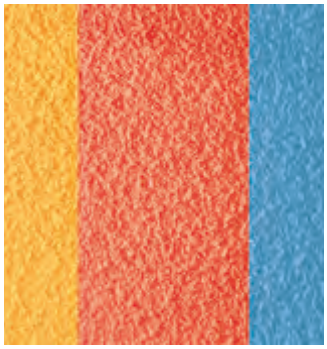
- Elimination of panel jointing results in considerable increase in perforated area, thus enhancing acoustic efficiency
- Quicker and more economical installation due to precise edge-to-edge mounting technique
- Sound absorption coefficient of up to $\alpha_w = 0.95$ (absorption class A)
- All from one source: The complete system, perfectly harmonised and tested
- Delivery includes Vogl screw kit

Layer build-up of the finishing coats

The acoustic plaster is machine-applied onto the plaster base fleece in three time-lagged operations until an open-pored plaster layer of approx. 3 mm thickness is achieved.

VoglToptec Akustik Nano SF

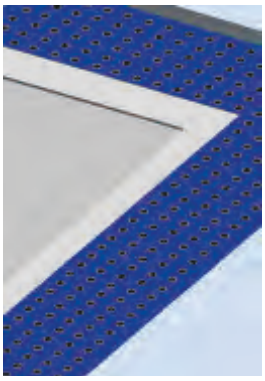
Machine-applied acoustic plaster with a very fine surface texture, grain size 0.5 to 0.8 mm.



VoglToptec Akustik Color

Coloured machine-applied acoustic plaster, pigmented throughout, according to RAL or other colour charts.

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com



VoglToptec acoustic plaster system panels are perforated ceiling panels with high acoustic performance (exception: Type Reflexio which creates reflecting areas) for on-site lamination of the fleece plaster base (glass fibre fleece) and subsequent final coating with VoglToptec acoustic plaster.

Acoustic fleece or foil lamination backing, four-side sharp-edged with undercut for installation using the quickest and most secure "edge-to-edge" laying principle.
Delivery including VoglToptec screw kit (incl. perforated panel screws SN 3.5 x 30).

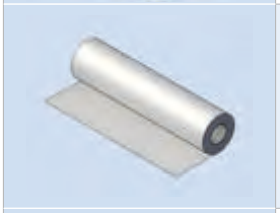
Based on standard: EN 14190 "Gypsum plasterboard products from reprocessing"
Fire rating: A2-s1, d0 or B1-s1, d0 (with foil) according to EN 13501-1
Long edge: SK (sharp-edged)
Short edge: SK (sharp-edged)

tested for contaminants LGA

Illustration	Item number	Description	Details	m²/pallet Pcs./pallet
	LP-00853	Acoustic plaster system panel Reflexio Acoustic fleece, black	1,206 x 2,006 x 12.5 mm Perforated area: 0 % Mass: 10.0 kg/m²	60.5 m² 25 pieces
	LP-00856	Acoustic plaster system panel 8/18R Acoustic fleece, black	1,194 x 2,004 x 12.5 mm Perforated area: 15.4 % Mass: 8.5 kg/m²	59.8 m² 25 pieces
	LP-00860	Acoustic plaster system panel 12/25Q Acoustic fleece, black	1,206 x 2,006 x 12.5 mm Perforated area: 22.9 % Mass: 7.7 kg/m²	60.5 m² 25 pieces
	LP-00865	Ultracoustic panel DLV 12/25R Acoustic fleece, black	1,232.5 x 1,950 x 12.5 mm Perforated area: 33.9 % Mass: 6.5 kg/m²	60.0 m² 25 pieces
	LP-00873	Acoustic plaster system panel 12/25Q Acoustic fleece, black **and foil**	1,206 x 2,006 x 12.5 Perforated area: 22.9 % Mass: 7.7 kg/m²	60.5 m² 25 pieces

VoglToptec Ultrakustik Panel

The panel with integrated mounting instruction, thanks to surrounding and transverse screw-fixing and stop bars.
Perfect smoothness and excellent stability despite the very high share of perforation of up to 33.9 %.

Illustration	Item number	Description	Contents	PU PU/pallet
	101227	Vogl Supergrund primer LF 20l Universal primer, absorbency regulating, free from solvents and softening agents, low-emission, free from active fogging substances	1 canister = 20 litres	1 PU = 1 canister 24 canisters / pallet
	101233	VoglToptec plaster base fleece Special glass fibre fleece as plaster base for coating with acoustic plaster, non-combustible A2, crack-bridging properties, damp-proof, dimensionally stable, white colour	Roll width = 1,145 mm Roll length = 100 m	1 PU = 1 roll 15 rolls / pallet
	101235	VoglToptec plaster base fleece, small Special glass fibre fleece as plaster base for coating with acoustic plaster, non-combustible A2, crack-bridging, damp-proof, dimensionally stable, white colour. The plaster base fleece is especially suited for applying wallpaper in the perimeter / wall connection area as well as for custom solutions.	Roll width = 500 mm Roll length = 100 m	1 PU = 1 roll
	101232	VoglToptec Special Adhesive Ready-to-use, dispersion adhesive, tested for harmful substances, for bonding the plaster base fleece to perforated ceiling panels, free from solvents and softening agents, low-emission, free from active fogging substances, ready-mixed product	1 bucket = 16 kg Consumption: approx. 0.3 kg/m²	1 PU = 1 bucket 24 buckets / pallet
	PU-00001	VoglToptec Akustik Nano SF Decorative, open-pored, machine-applied acoustic plaster, very fine texture, grain size 0.5 - 0.8 mm, dull matt, high degree of whiteness, ready-mixed product	1 bucket = 18 kg Consumption: 2.7 - 3.0 kg/m²	1 PU = 1 bucket 24 buckets / pallet
	PU-00003	VoglToptec Akustik Color Nano SF Decorative, open-pored machine-applied acoustic plaster, very fine texture, grain size 0.5 - 0.8 mm, ready-mixed product; please specify colour of choice (RAL etc.) when ordering	1 bucket = 18 kg Consumption: 3.0 - 3.5 kg/m² *	1 PU = 1 bucket 24 buckets / pallet

*Note: Dark or special colour shades may lead to increased consumption. Actual quantities depend on the respective project.

System-inherent reliability!

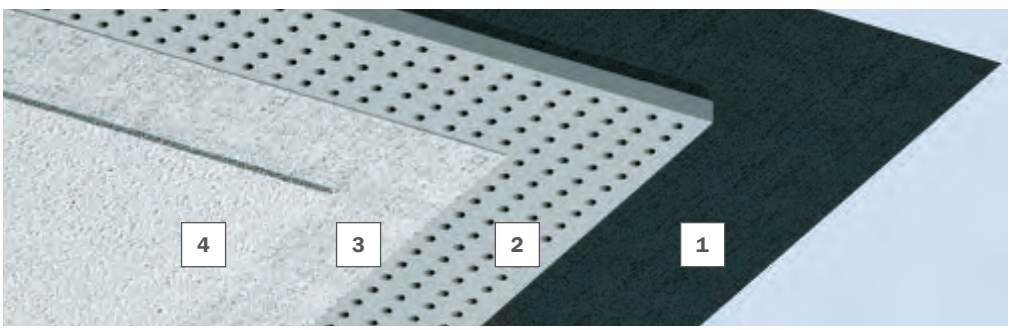
The perfectly harmonised components are system tested and guarantee unparalleled reliability in terms of installation and performance of our acoustic plaster ceilings.

1 Acoustic fleece (and foil, if any) factory-supplied

2 VoglToptec Acoustic Plaster System panels

3 Plaster base fleece installed on-site

4 Acoustic Plaster applied on-site



Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

The primary profiles are rigidly hung from the structural soffit with suspended brackets using fixing materials approved by the relevant building authorities.
Centre distance and number of suspended brackets, as well as fixation, are subject to site requirements and EN 13964/DIN 18181.
The CD 60/27 secondary profiles are attached to the CD 60/27 primary profiles using cross connectors.

CD 60/27 are extended using straight connectors. For primary grid profiles, always ensure that the joint is close to a suspended bracket (max. 100 mm). Joints should generally be staggered.

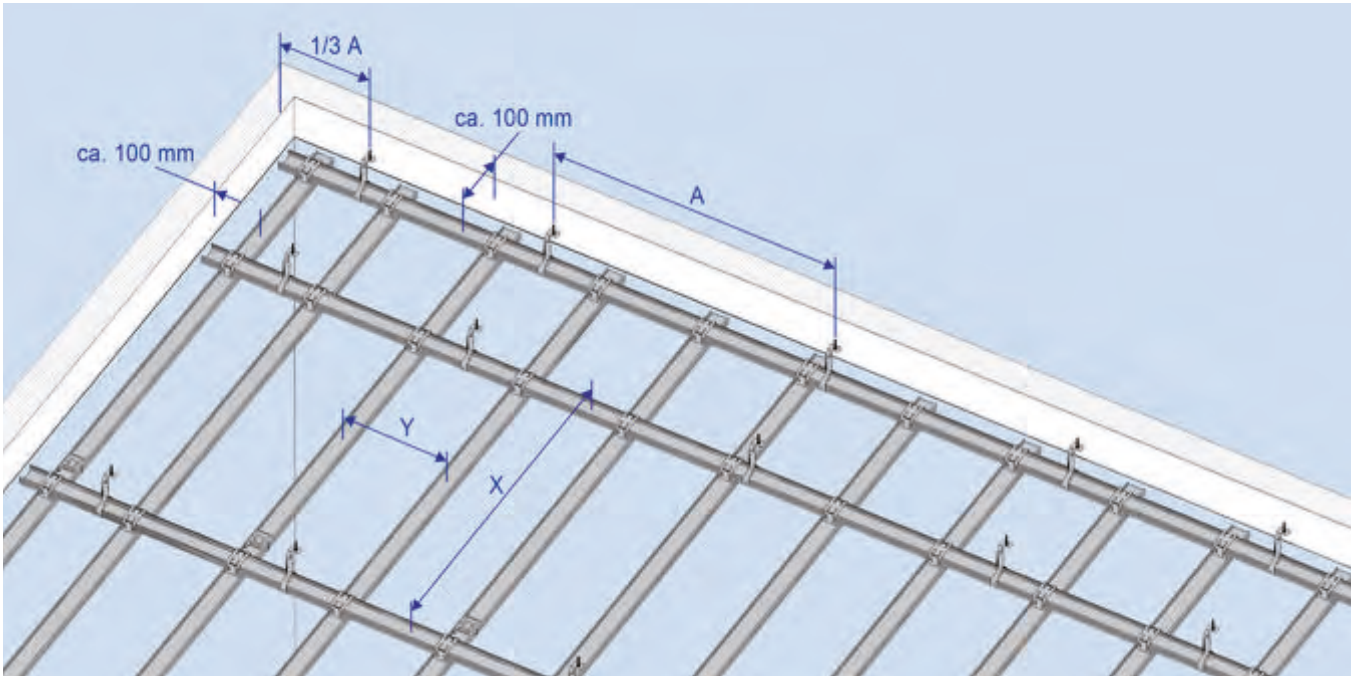
Plasterboards should be installed in accordance with EN 13964/DIN 18181 and manufacturer's guidelines.

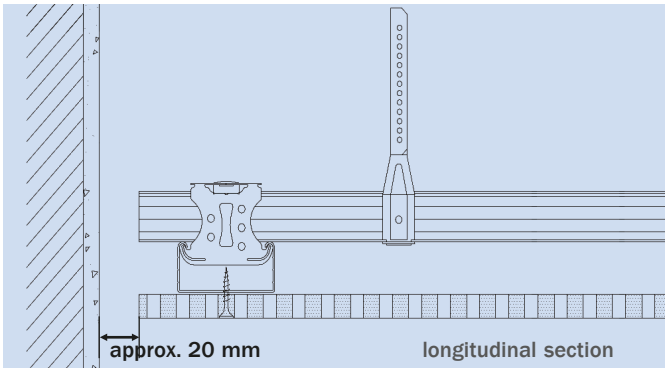
Additional items such as lighting, ventilation, sprinkler systems etc. must be individually suspended.

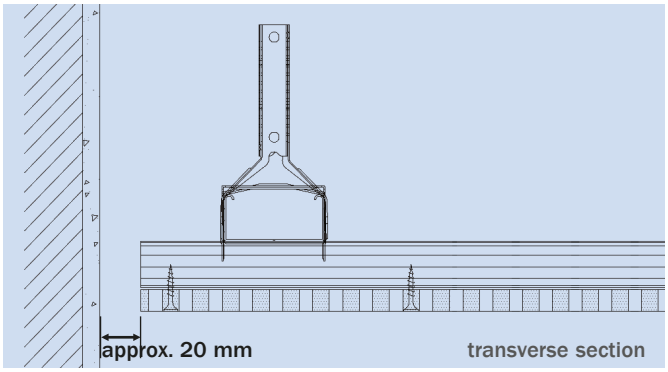
Any changes in framework owing to integrated ceiling components must be considered.

VoglToptec framework								
Technical data	Unit	Perforated panel ceiling						
Panel thickness	mm	12.5						
Distributed load	kN/m²	≤ 0.15					≤ 0.30	
Centre distance of suspended bracket A	mm	1,150	1,050	1,000	950	900	900	750
Centre distance of primary profiles X	mm	600	800	900	1,000	1,100	600	1,000
Centre distance of secondary profiles Y	mm	see table below						

Item	Unit	Centre distance of secondary profiles Y
VoglToptec **Acoustic Plaster System panels** 8/18R, 12/25Q, Reflexio (smooth)	mm	334
VoglToptec **Ultrakustik Panel** 12/25R DLV	mm	325



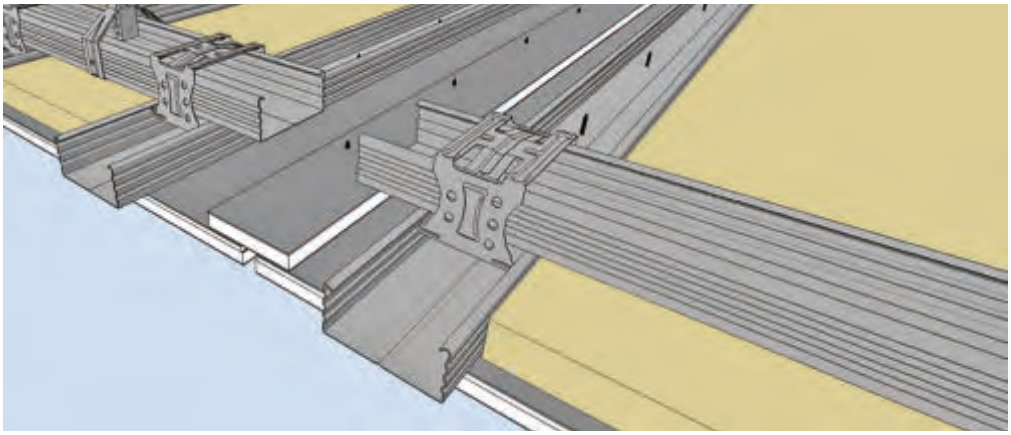




Wall connection:

To avoid different pressure ratios / temperatures between the ceiling void and usable space, we recommend ventilating the ceiling. To do this, we advise you to fit the wall connection with an open shadow gap (approx. 20 mm) in the VoglToptec system.

Please contact us if you require additional standard details concerning the VoglToptec system.



Expansion joints:

To prevent cracking in the ceiling surface, expansion joints have to be provided every 10 linear metres/100 m² of the ceiling area.

The framework must be completely severed (see illustration) and the panel strips above the joint must be screwed down on one side only.

Material required per m² based on a ceiling of 100 m² (10 m x 10 m, not considering loss or waste, approximate values):

Metal framework, suspended bracket centre distance 1,000 mm, primary profile spacing 900 mm, secondary profile spacing 333 mm			
Item number	**Item description**	**Unit**	**Quantity**
Fixation			
Standard	Safety nail, DN 6 x 35	piece	1.3
Suspended brackets			
See product range	Direct suspended bracket 50/120/200 and	piece	1.3
100994	Tapping screw LN 3.5 x 9.5	piece	2.6
	or		
See product range	Vernier hanger / vernier bottom part and	piece	1.3
100981	Vernier security pin and	piece	1.3
See product range	Vernier top part, 200 - 2,000 mm, custom lengths on request	piece	1.3
Profiles and connectors			
See product range	CD profile 60/27/0.6 rK, l=XXX mm	m	4.1
101595	Connector, lengthwise, CD 60/27	piece	0.8
101567	Cross connector, CD 60/27	piece	3.3
100995	Perforated panel screw SN 3.5 x 30	piece	22

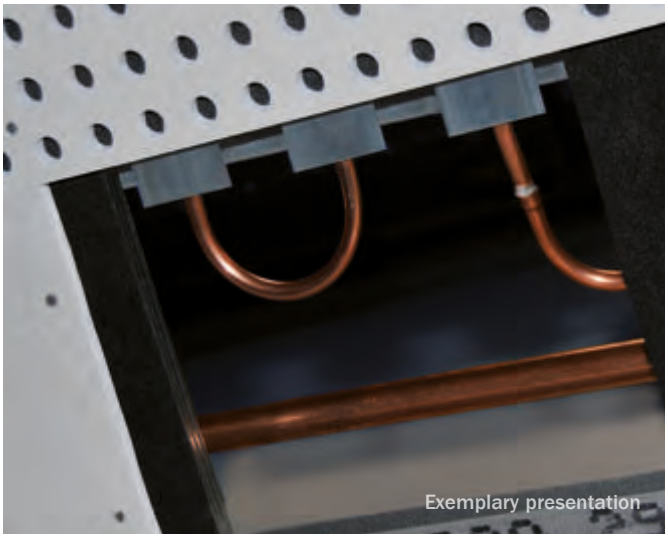
Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

VoglToptec Thermotec

The perfect solution for your acoustic plaster climate control ceiling.

You want your acoustic plaster ceiling to be both visually attractive and provide efficient climate control performance? Then our VoglToptec Thermotec system is just right for your project!

With the perfect combination of 10 mm VoglThermotec panels and the VoglToptec acoustic plaster system, you will get optimum cooling capacity combined with sound absorption and an attractive finished surface. Of course, with integrated result reliability – as all the system components come from the ceiling specialist Vogl Deckensysteme.


Exemplary presentation

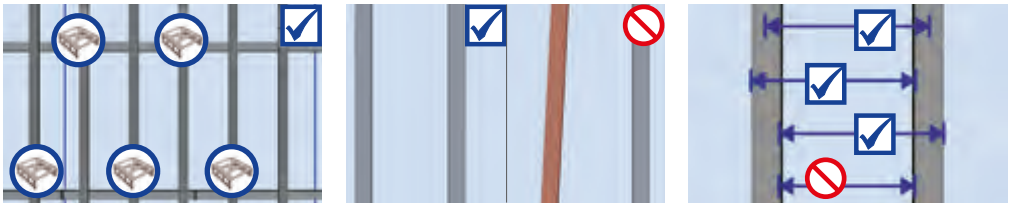
VoglToptec backed with foil

The right choice if you want your ceiling to be impermeable to airflow.

As you surely know, a ventilation system is often required to be installed within the ceiling void to meet air exchange requirements. In many cases, this ventilation is to take place only through the ceiling joints at the perimeters, and the rest of the ceiling surface must be airtight. Now there is a safe and easy-to-use solution for this application in the VoglToptec system. With the foil laminated on the back of the panels, the acoustic plaster ceiling remains impermeable to airflow – but without compromising its acoustic performance. The ideal product if your finished ceiling ever comes “under pressure”.

Check ceiling framework for rigidity and evenness (using a straightedge).

Then check ceiling grid CD sections for centre distances and adjust, if necessary. Always mount straight connectors in a staggered manner (see figure). Measure centre distances accurately!



As viewed from entrance area, choose panel arrangement with short edges parallel to windows (main direction of light).

Locate centre of room to position first ceiling panel, also taking into account resulting ceiling perimeter to wall connections.

We recommend the following accessories for installation:
Perforated panel screws, including screw bit

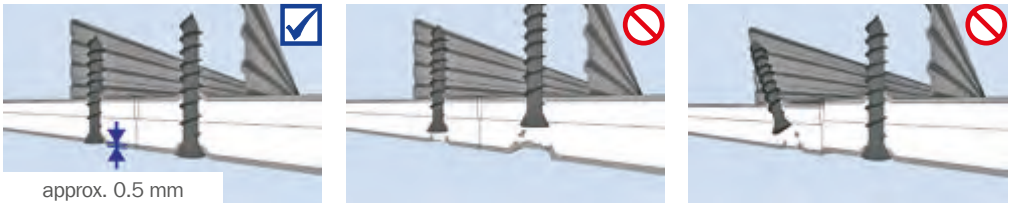
Correct handling of ceiling panels:

- Always take load carrying capacity of building into account when storing ceiling panels
- Do not store ceiling panels upright, but always flat on panel pallets
- Always carry ceiling panels with short edges upright
- Protect ceiling panels from moisture; relative humidity should be 40 - 80 %
- Avoid major temperature fluctuations
- Do not expose stored ceiling panels to direct sunlight

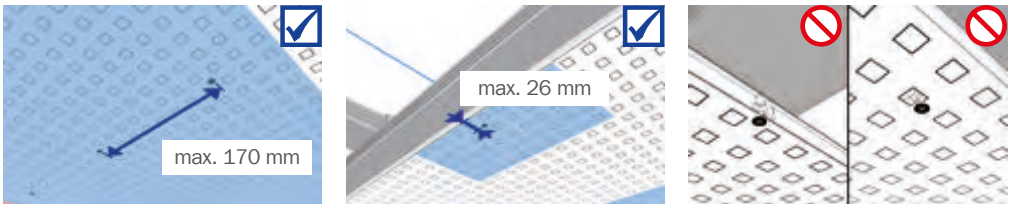
Get panel to correct position on framework using a panel lifter if working alone, or else another worker's help.

Perforation pattern	Centre distance
Acoustic plaster system panel 8/18R, 12/25Q, Reflexio	334 mm
Ultracoustic panel 12/25R DLV	325 mm

Screws must be put into panel at right angles and countersunk head screwed down to 0.5 mm below visible surface of ceiling panel.



Screws should be spaced maximum 170 mm from fixing point to fixing point. Distance between screw and panel edge not to exceed 26 mm.
Avoid damaging acoustic design panels by countersunk heads.



First, screw ceiling panel to framework in centre of panel, then lower panel lifter and fix a screw in centre of each short edge before finally screwing down long edges.

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

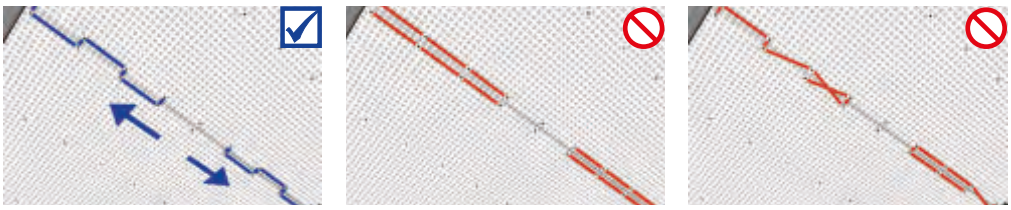
Take note of panel labelling (stamp) and mount in direction of reading (all stamps should point in same direction).

Use CD profile or straightedge as end stop. Position next panel by sliding it to first alongside CD profile / straightedge and fix in place.

General site conditions / Manufacturer's instructions:

- Take movement joints of building structure into account
- Plan to include expansion joints after approx. every 10 m or approx. 100 m²
- Cardboard layer must not be penetrated by screws, but merely displaced downwards
- Working temperature should be at least +10 °C and job site temperature not below +5 °C
- Installed ceiling surfaces must not be connected to perimeter walls
- Place any damping (mineral wool layer) directly onto the ceiling panels
- Carry out any additional work on ceiling (access openings, lighting recesses, etc.) immediately after installing ceiling panels

Fix screws in panel joint area using alternating pairs across panels ("zig-zag" principle), starting left or right next to screw which has already been fixed. This will create flush joint areas.



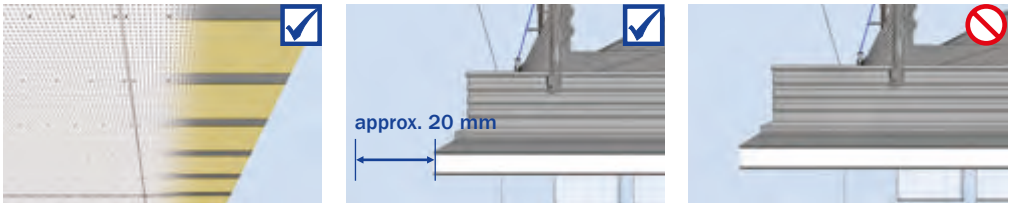
Install ceiling panels first lengthways, then crossways, resulting in cross arrangement on ceiling. Cover remaining areas in same manner, working from centre of room outwards.

Lay remaining ceiling panels edge-to-edge, always checking that joints are level and using "cross joint" system only.

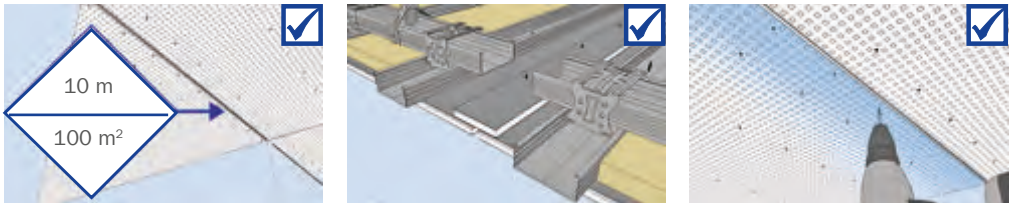
After all panels have been installed, recheck that all joints are level and adjust, if necessary, using a screwdriver. Then check with a straightedge.

Place any damping layer directly onto back of ceiling panels

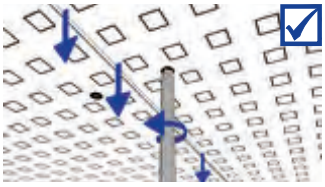
We recommend fitting an open shadow gap at the wall connection.



Provide for expansion joint of 5 to 10 mm every 10 linear metres / 100 m².
Additional board strip above joint must be screwed down on one side only.



Check panel joint areas and screw heads and adjust any height discrepancies using a screwdriver.



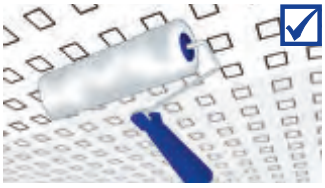
Prime ceiling surface with Vogl Supergrund LF. Subbase must be dry and free from dirt and separating substances. Apply primer in undiluted state using lambskin roller.

Drying time: 12 h

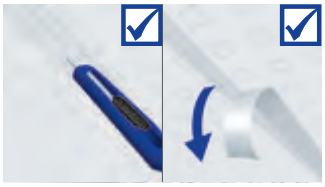
General site conditions / Manufacturer's instructions:

- Store primer, adhesive and acoustic plaster in ** frost-free environment **
- Reclose containers for extended work breaks
- Stir all materials well before use
- Working temperature should be at least +18 °C and job site temperature not below +10 °C
- Relative humidity: 40 - 80 %
- Self-levelling, cement or asphalt screeds must be fully dried – make sure there is no residual moisture
- Avoid shock heating or cooling of rooms during installation or drying times to prevent cracking
- Store away from sun and heat

Apply VoglToptec Special Adhesive generously and evenly using lambskin roller and immediately install plaster base fleece into wet adhesive bed pushing it in with a wallpaper smoother. **Do not** spray-apply adhesive.

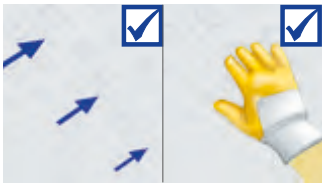


While applying fleece, make sure that special adhesive has not started to dry as this can cause bubbles. Place further lengths of plaster base fleece overlapping (5 - 10 cm) and separate using a double cut.



Check surface and joints. There must not be any adhesive on visible face of fleece (light marks).

Drying time: Min. 12 h



Stir VoglToptec Nano SF acoustic plaster slowly before use (2 - 3 minutes).

VoglToptec Nano SF = ready-mix

Optimum speckling pattern must be adjusted depending on job site (using brown cardboard, etc.).

Final coating of acoustic plaster–Manufacturer's instructions:

- Machine requirements: Plaster spray system with worm conveyor (e.g. Strobot 204S) or delivery pump (e.g. InoBeam M8) and high-performance compressor
- Spray distance (nozzle to ceiling) approx. 700 - 900 mm
- Air flow 1.5 - 2.0 bar
- Nozzle size 4 - 6 mm (depending on desired texture)
- Application quantities:

1st spray application approx.	700 g/m²
2nd spray application approx.	900 g/m²
3rd spray application approx.	1,100 g/m²
Total approx.	2,700 g/m²

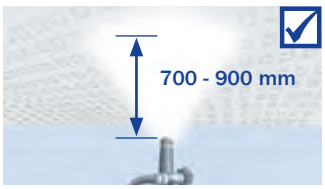
Apply first layer by spraying-on acoustic plaster in circular motion.

Attention – avoid development of paint mist; holes must remain visible.

Drying time: 5 h

After drying period, apply 2nd coat to ceiling, also in circular motion; holes still slightly visible.

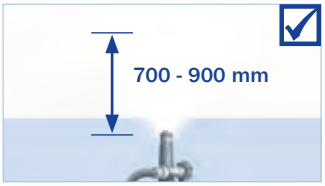
Drying time: 12 h



Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

After drying period, apply 3rd coat to ceiling, also in circular motion; holes no longer visible.

Drying time: 12 h

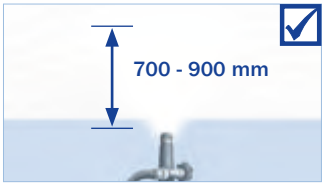


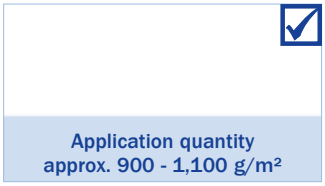
Renovation / renewal of acoustic plaster coating

To remove any soiling, ceiling can be given another machine-applied coating. Before application, sweep ceiling with a fine hair broom.

Attention: Applying paint will affect acoustic properties of ceiling!

With circular motions, apply another coat to ceiling surface. Depending on degree of soiling, application quantity of acoustic plaster can vary.





Quantities required for final coating per m² (not considering loss or waste)

Item number	Item description	Unit	Quantity
101227	Vogl primer Supergrund LF	l	approx. 0.15
101232	VoglToptec Special Adhesive	kg	approx. 0.30
101233	VoglToptec plaster base fleece	m²	approx. 1.00
PU-00001	VoglToptec Akustik Nano SF	kg	approx. 2.70 - 3.00
PU-00003	VoglToptec Akustik Color Nano SF	kg	approx. 3.00 - 3.50

Acoustic plaster ceiling – VoglToptec system

Acoustic plaster ceiling as suspended ceiling structure, one side clad with VoglToptec acoustic plaster system panels, backed with acoustic fleece, mounted to a rigid ceiling framework of galvanised metal profiles, hung with flush and horizontally aligned suspended brackets and installed using fixing materials approved by the building authorities, with or without damping layer depending on building physics requirements. Installation in accordance with manufacturer's instructions, including all connection and jointing work as well as connection and fixing materials.

Ceiling system to accommodate an on-site application of machine-applied plaster consisting of VoglToptec plaster base fleece and final coating using VoglToptec acoustic plaster in accordance with manufacturer's instructions.

System structure

Framework in accordance with DIN 18181:2007-02

Profiles:

Pressure-resistant design made from galvanised sheet steel profiles CD 60/27 as primary and secondary profiles in accordance with EN 14195

Suspended brackets:

- Suspend with vernier systems (top part, vernier hanger)*
- Suspend with vernier systems (top / bottom part)*
- Suspend with direct suspended brackets*
- Use fixing materials approved by the relevant building authorities.

Connection:

For primary-secondary profile connection with cross connectors, use suspended brackets and cross connectors in accordance with EN 13964.

Suspended bracket centre distance: max. 900 mm,
Primary profile centre distance: max. 1,100 mm,
Secondary profile centre distance: 325/334 mm*

Covering:

Acoustic plaster system panels are perforated ceiling panels in accordance with EN 14190, backed with acoustic fleece, one layer 12.5 mm, laid edge-to-edge and fixed to the framework using perforated panel screws SN 30, with screw spacing max. 170 mm. Observe manufacturer's installation guidelines.

Perforation pattern / perforated area / mass per unit area:

- Reflexio / 0.0 % / 10.0 kg/m²*
- 8/18R / 15.4 % / 8.5 kg/m²*
- 12/25Q / 22.9 % / 7.7 kg/m²*
- Ultracoustic 12/25R DLV / 33.9 % / 6.5 kg/m²*

Distributed load:

- less than or equal to 0.15 kN/m²*
- less than or equal to 0.30 kN/m²*

Joint finishing:

VoglToptec system in accordance with manufacturer's instructions, "edge-to-edge" installation principle, filler-free. Sand down area of screw heads and panel joints level, paying attention to leave the screw heads unsanded. No filling required. Observe manufacturer's installation guidelines.

Subbase:

Suspension height:	h = mm
Installation height:	h = mm
Room height:	h = mm
Insulation thickness:	th = mm

Subsequent application: Final coating in VoglToptec system

Complete system: Vogl Deckensysteme, or equivalent

* Delete as applicable

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

VoglThermotop

Highly Efficient
in Energy Conservation

Modern heating and cooling from above

The use of cooling and heating ceilings

Today's buildings have to satisfy a wide variety of demands. The focus is always on the users of the building. The building must provide the best possible conditions for them to work efficiently and productively. People can achieve optimum performance only in an optimum environment. A crucial requirement for pleasant and performance-oriented work is an efficiently designed workplace. A prevalent aspect here is the feel-good factor. It is achieved by maintaining agreeable room temperatures. This condition is realised by integrating cooling and heating systems with high radiation effect into suspended ceilings. In this process, ventilation is reduced to the absolutely necessary and induced with the lowest possible speed. An excellent way to realise this is to use the VoglThermotop system. Together with our system partners, we support you in your cooling and heating ceiling project from the design through the tendering process to the execution.

System description, VoglThermotop

All system components of the VoglThermotop system are perfectly harmonised to ensure optimum application and result reliability.

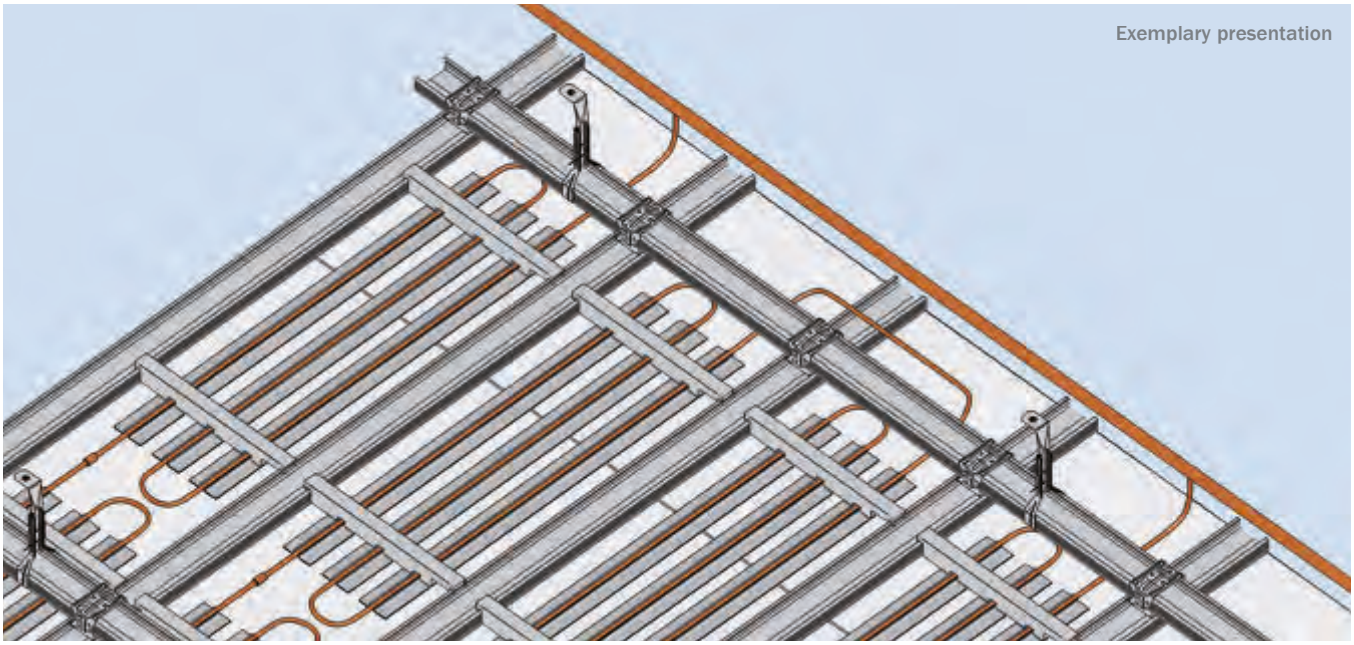
Following the proper implementation of the framework from CD 60/27 profiles (as primary and secondary profiles), the installation of the cooling/heating coils between the secondary profiles takes place.

These are hooked using special mounting brackets eventually making sure that the contact (and subsequently the respective heat/cold transfer) to the Thermotec panels below is as full as possible.

Since the screw connection of the Thermotec panels is done in the CD 60/27 profiles, there is no rigid connection between the cooling/heating ceiling system and the acoustic ceiling surface.

For connecting the cooling/heating coils to each other, please observe the system specifications by our system partners suggesting soldered or plugged pipe connections.

By using the perfectly harmonised system components of the VoglThermotop ceiling, optimum application and result reliability can be ensured.



Exemplary presentation

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Less energy, more performance

To conserve the fossil resources, it makes good sense to put major energy consumers on a diet. Highly efficient systems are in demand for the heating and cooling of buildings. The VoglThermotop system combines acoustic design ceilings with the additional function of a very effective cooling and heating ceiling. Compared to conventional air handling systems, the operating costs can be reduced by up to 40 %, and, from an aesthetic point of view, the harmonious appearance of the ceiling is not compromised. When in comes to shape and functionality, VoglThermotop offers unlimited freedom of design.

The cooling and heating ceiling for maximum efficiency:

- Perfectly easy to install the pre-assembled units in the finished ceiling framework by simply hooking and snapping them into place
- Available as smooth cooling and heating ceiling, perforated cooling and heating ceiling, cooling and heating ceiling with acoustic plaster system or floating cooling and heating ceiling
- Individual design and execution to achieve maximum efficiency from the surfaces available for activation
- Low operating costs due to low-maintenance complete system, minimum susceptibility to failure thanks to the use of long-time tested materials
- Highly flexible system for multi-functional expansions – such as lighting, sound and safety systems as well as more building services

Primary profiles are rigidly hung from structural soffit with suspended brackets using fixing materials approved by the relevant building authorities. Centre distance and number of suspended brackets, as well as fixation, are subject to site requirements and EN 13964/ DIN 18181. CD 60/27 secondary profiles are attached to CD 60/27 primary profiles using cross connectors.

CD 60/27 are extended using straight connectors. For primary grid profiles, always ensure that joint is close to a suspended bracket (max. 100 mm). For primary and secondary profiles, joints are generally offset from each other.

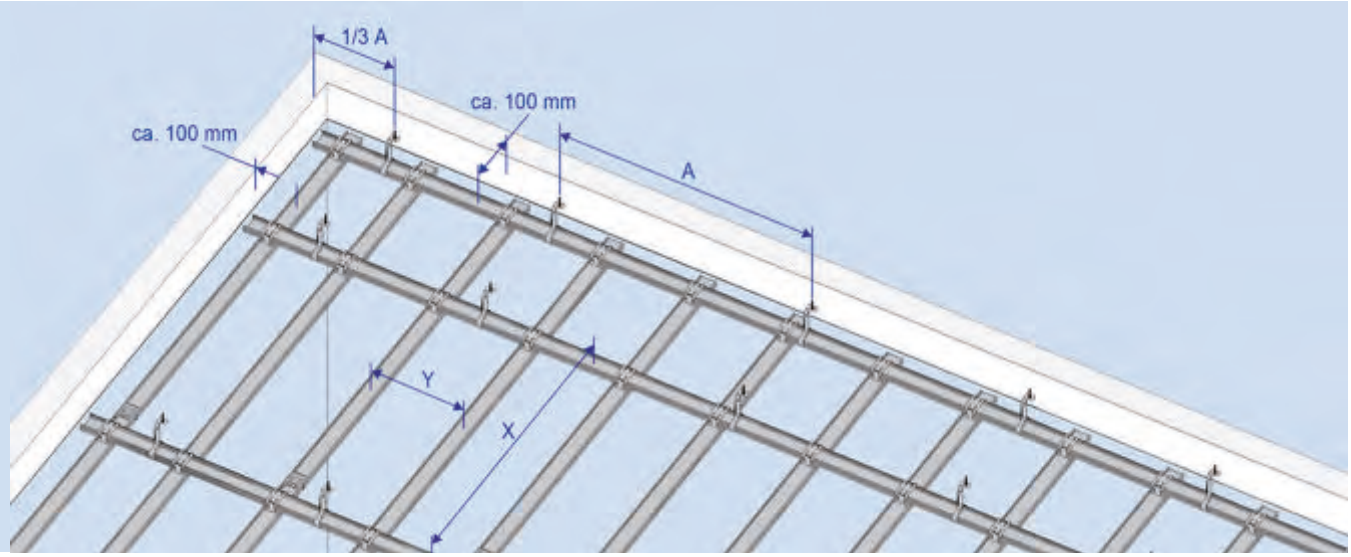
Plasterboards should be installed in accordance with EN 13964/ DIN 18181 and manufacturer's guidelines.

Additional items such as lighting, ventilation, sprinkler systems etc. must be individually suspended.

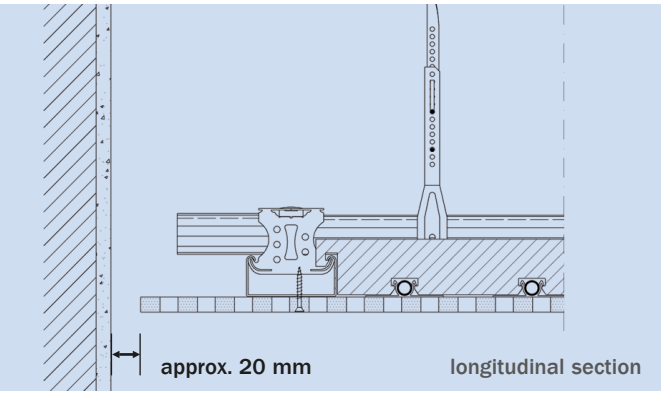
Any changes in framework owing to integrated ceiling components must be considered.

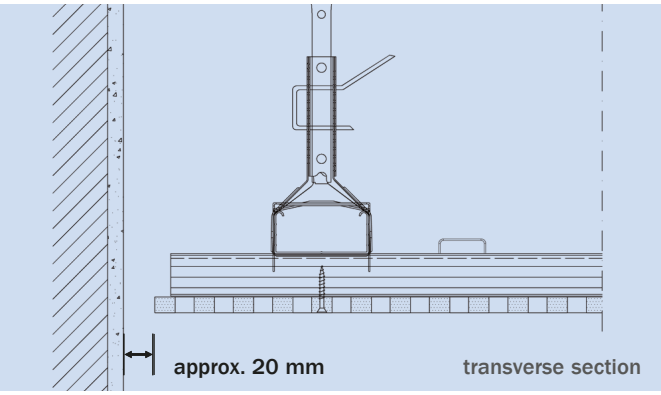
VoglThermotop framework								
Technical data	Unit	Perforated panel ceiling						
Panel thickness	mm	10.0						
Distributed load	kN/m²	≤ 0.15					≤ 0.30	
Centre distance of suspended bracket A	mm	1,150	1,050	1,000	950	900	900	750
Centre distance of primary profiles X	mm	600	800	900	1,000	1,100	600	1,000
Centre distance of secondary profiles Y	mm	see table below						

Item	Unit	Centre distance of secondary profiles Y
Acoustic Design Panel 6/18; 8/18; 8/18Q; 10/23; 12/25; 12/25Q; 8/12/50; 8/15/20; 12/20/35	mm	333
Acoustic Design Panel 15/30 12/20/66	mm	330
VoglToptec (Acoustic Plaster System) 8/18R 12/25Q Reflexio (smooth)	mm	334
VoglToptec (Acoustic Plaster System) Ultracoustic panel 12/25R DLV	mm	325



Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

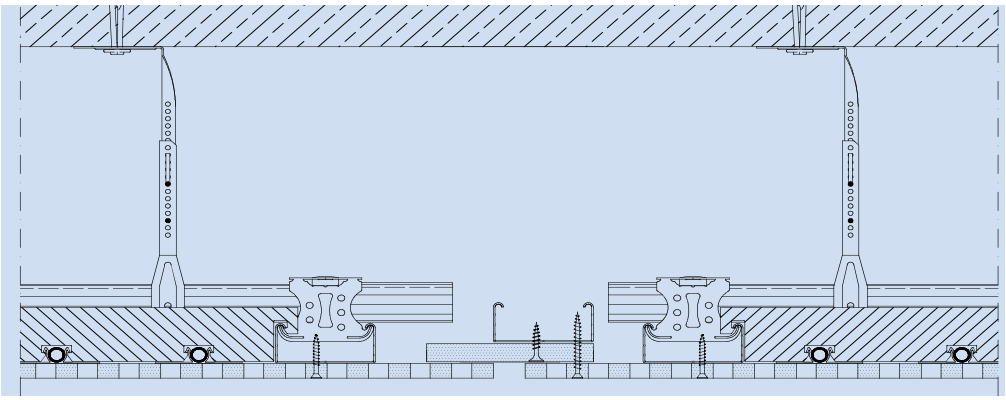




Wall connection:

Due to the thermally induced expansions of the cooling/heating ceiling, we recommend creating wall connections in a way to allow the absorption of movements, for example by providing an open shadow gap (approx. 20 mm).

Please contact us if you require additional standard details concerning the VoglThermotop system.



Expansion joints:

In order to avoid cracking in ceiling surface, provide appropriate expansion joints for cooling ceilings every 10 running metres/100 m² and for combined cooling and heating ceilings even with a side length of 7.5 linear metres.

Framework must be completely severed (see illustration) and panel strips above joint fixed to one side of ceiling structure only.

Material required per m² based on a ceiling of 100 m² (10 m x 10 m, not considering loss or waste, approximate values):

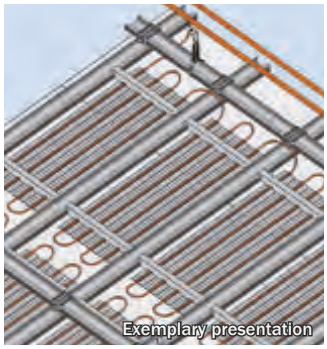
Metal framework, suspended bracket centre distance 1,000 mm, primary profile spacing 900 mm, secondary profile spacing 333 mm			
Item number	**Item description**	**Unit**	**Quantity**
Fixation			
Standard	Safety nail, DN 6 x 35	piece	1.3
101705	Perforated panel screw TTP PLUS, TB 23	piece	22
Suspended brackets			
See product range	Direct suspended bracket 50/120/200 and	piece	1.3
100994	Tapping screw LN 3.5 x 9.5	piece	2.6
	or		
See product range	Vernier hanger / vernier bottom part and	piece	1.3
100981	Vernier security pin and	piece	1.3
See product range	Vernier top part, 200 - 2,000 mm, custom lengths on request	piece	1.3
Profiles and connectors			
See product range	CD profile 60/27/0.6 rK, l=XXX mm	m	4.1
101595	Connector, lengthwise, CD 60/27	piece	0.8
101567	Cross connector, CD 60/27	piece	3.3

Various designs and surfaces – individually tuned to your project

Whether low, medium or high cooling capacity, whether perforated or smooth surfaces: All options are open to you with the VoglThermotop cooling and heating ceiling. The variations our system offers suit your requirements perfectly and guarantee you a complete solution from one source, ideally tuned to your project.

Maximum efficiency through individual coil configuration per area

Versatility and flexibility are given through the use of three- or four-row cooling coils combined with various widths of heat conducting profiles.



The right type of panel for every demand

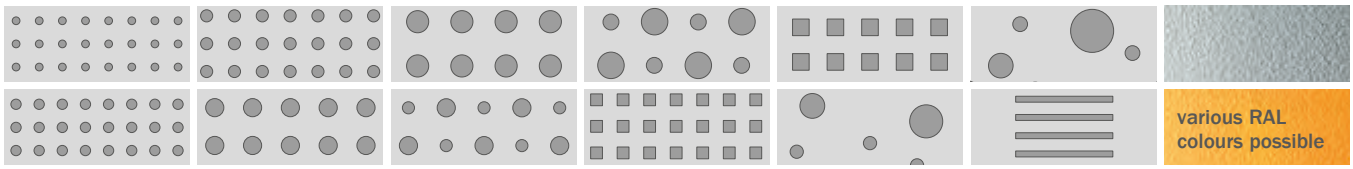
When designing your project, you have the choice between two panel types – the VoglThermotec panel or the VoglThermotec panel PLUS. With a panel thickness of 10.0 mm, both panels have an increased thermal conductivity. The VoglThermotec panel PLUS is, moreover, equipped with a graphite-modified gypsum core for enhanced performance.

VoglThermotec panel

VoglThermotec panel PLUS

Surface diversity into the bargain

Whether you desire one of our 12 perforation patterns or a finish with VoglToptec Acoustic Plaster System – you have all options open with the VoglThermotop cooling and heating ceiling system. Of course, it is also no problem to have your ceiling finished as a smooth plasterboard ceiling.



Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

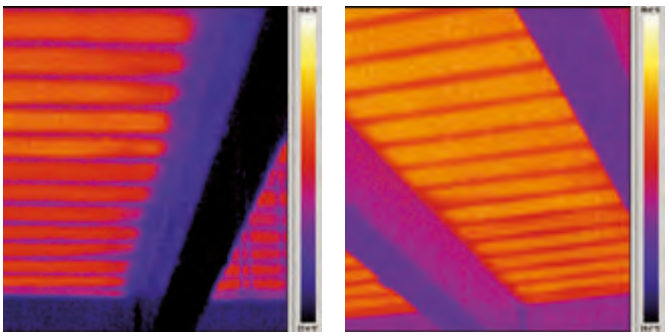
The specified performance values of the VoglThermotop and VoglThermotop PLUS systems are based on the following:

Cooling performance of a room cooling surface

Determination of performance values according to DIN EN 14240:2004-04

The tests in accordance with DIN EN 14240 were carried out by a certified, recognised German testing institute.

(The figure on the right shows a thermographic image when heating)



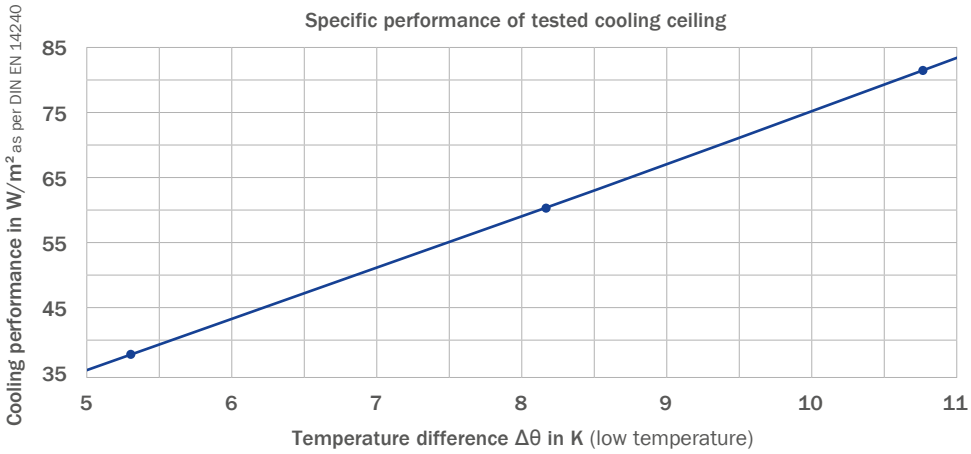
VoglThermotop, smooth, tested with RiLO coil CU50-GK

Type: Non-perforated plasterboards 10 mm with meander elements of heat conducting aluminium profiles with pressed-in meandering copper tube

Cooling performance per m² as per DIN EN 14240

$\Delta\theta_N$ = 8 K ⇨ **59.2 W/m²**

ΔθN = 10 K ⇨ **75.0 W/m²**



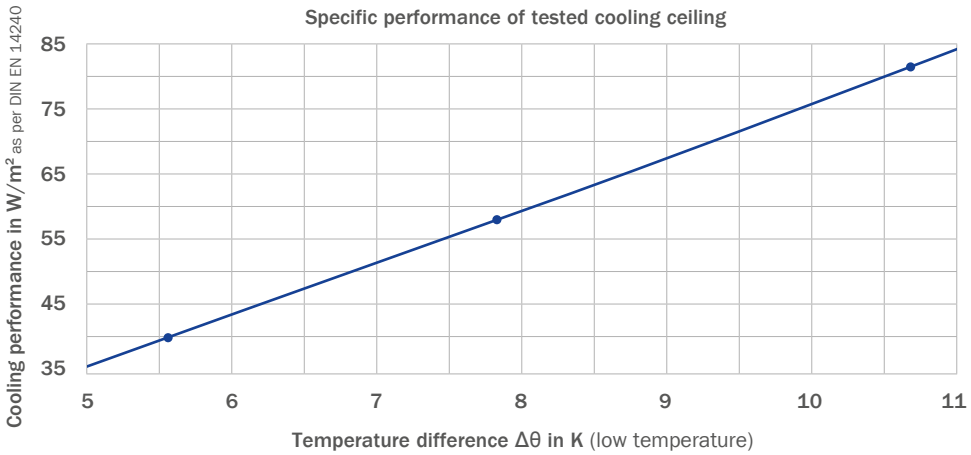
VoglThermotop, perforated, perforation pattern 12/25Q, tested with RiLO coil CU50-GK

Type: Perforated plasterboards 10 mm, perforation 12/25Q, with meander elements of heat conducting aluminium profiles with pressed-in meandering copper tube

Cooling performance per m² as per DIN EN 14240

$\Delta\theta_N$ = 8 K ⇨ **59.2 W/m²**

ΔθN = 10 K ⇨ **75.1 W/m²**



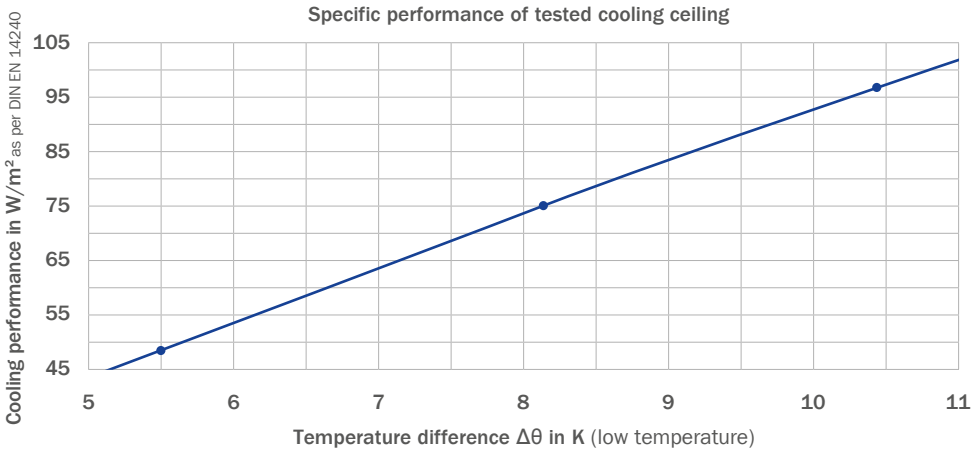
VoglThermotop PLUS, smooth, tested with RiLO coil CU50-GK

Type: Non-perforated plasterboards 10 mm (including share of graphite) with meander elements of heat conducting aluminium profiles with pressed-in meandering copper tube

Cooling performance per m² as per DIN EN 14240

$\Delta\theta_N$ = 8 K ⇨ **72.8 W/m²**

ΔθN = 10 K ⇨ **92.8 W/m²**



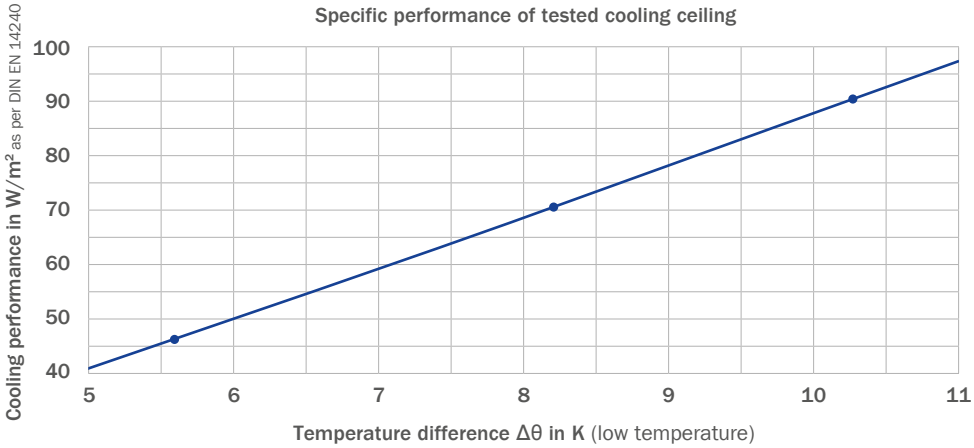
VoglThermotop PLUS, perforated, perforation pattern 12/25Q, tested with RiLO coil CU50-GK

Type: Perforated plasterboards 10 mm (including share of graphite), perforation 12/25Q, with meander elements of heat conducting aluminium profiles with pressed-in meandering copper tube

Cooling performance per m² as per DIN EN 14240

$\Delta\theta_N$ = 8 K ⇨ **68.7 W/m²**

ΔθN = 10 K ⇨ **87.2 W/m²**



Please contact us if you require more performance values of our system, (e. g. calculations of heating performance).

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

FAQ / Frequently Asked Questions

The performance description of the cooling and heating ceiling refers to 60 % radiation and 40 % convection. What does that mean with respect to the finished object?

The radiation proportion of a cooling ceiling is ideally approx. 60 %. The remaining proportion of 40 % is performed by means of free convection. In this process, the air warmed up by the heat sources rises, i.e. natural buoyancy causes the developed heat not dissipated due to radiation exchange to flow below the ceiling. This is why we generally recommend an open shadow gap of approx. 20 mm for cooling ceilings. The warmed-up air is cooled there and falls back diffusely, mixed with room air, into the occupied zone.

What is the minimum structural height that has to be considered in the design process for installing a cooling and heating ceiling?

At least 65 mm overall height must be available for the installation. Experience has shown that a structural height of approx. 150 - 200 mm is recommendable since the installation of lighting, safety and service equipment as well as access for inspection also have to be considered.

Is a cooling and heating ceiling sufficient for fully air-conditioning a room?

Cooling and heating ceilings contribute essentially to the air-conditioning of modern buildings in an energy-efficient manner. But depending on the project, it may be necessary to combine them with a ventilation system and/or additional cooling and heating surfaces. For this reason, specialist engineers have to be involved in the detailed planning to achieve the best possible result for the project owner.

Does the effect of the acoustic ceiling / acoustic plaster ceiling in terms of sound absorption remain unchanged despite the cooling and heating system installed on its back?

The cooling and heating system installed behind the acoustic ceiling (heat conducting profiles resting on the panel and reducing the effect of the acoustic fleece) does have a negative impact on the acoustic performance of the ceiling. We have, therefore, commissioned both TÜV Rheinland and LGA Products GmbH Nuremberg to conduct several echo chamber measurements with and without heat conducting profiles in order to determine the deviation. The tests have revealed that the acoustic performance of the ceiling is reduced by an average of approx. 15 - 20 %.

Does the cooling and heating system at the back of the panel pose an increased risk of cracking?

There is no increased risk of cracking if our manufacturer's instructions for the installation of framework and panels are observed (e.g. expansion joints). However, we generally recommend to use our tested complete systems from Vogl Deckensysteme.

What fire rating class does the finished cooling and heating ceiling system fulfil?

Framework and cooling system are classified as fire rating A1. The acoustic design / Thermotec panels below fulfil fire rating A2, s1, d0 as per EN 13501.

System Training

Our know-how for your result reliability

Topic:

Acoustic plaster system VoglToptec – Applications and processing

Description

Acoustic plaster ceilings provide homogeneous surfaces and numerous possibilities for designing high-end ceilings. Thanks to the multiple system variations (e.g. in conjunction with climate control ceilings) and the complete assortment of accessories "from one source", the VoglToptec system offers unique application and result reliability. In addition to theoretical fundamentals, our system training offers mainly practical guidelines for the installation work on site.

Topics

- Various systems and special panel types (e.g. Thermotec panels)
- Panel arrangement and sensible space division for installation
- Correct assembly and adjustment of panel joint areas
- Frequent wall connections and how to execute them properly
- Expansion joints in ceiling area / regulations and recommendations
- Integrated ceiling components – fundamentals and problems
- Technical equipment required for reliable workmanship
- Coating work (priming, wallpapering, acoustic plaster)
- How to avoid typical processing errors in acoustic plaster ceilings

Targets

After completion of the seminar, the system training participants shall

- understand and be able to apply current standards and regulations
- recognise and avoid the typical installation errors
- be able to perform the installation and coating of acoustic plaster ceilings

Target group

This system training is equally suited for site and project managers as well as for drywall installers and interior construction workers. Likewise, for painting contractors whose work includes "acoustic plaster coating". Also, technically adept employees in sales or from the building material dealers' can extend their knowledge about the proper installation of ceiling structures.

A registration form is available on page 189. You have any questions in advance? We are glad to assist you! Phone: +49 9104 825-100

Registration is possible by e-mailing info@vogl-ceilingsystems.com directly or by fax to +49 9104 825-280.
You can also find all information on training under www.vogl-ceilingsystems.com

VoglThermal Tiles

Simple and *Modular*

A cooling and heating system for accessible ceiling tiles

Our system partner

The modular Thermal Tile
for modern interior design

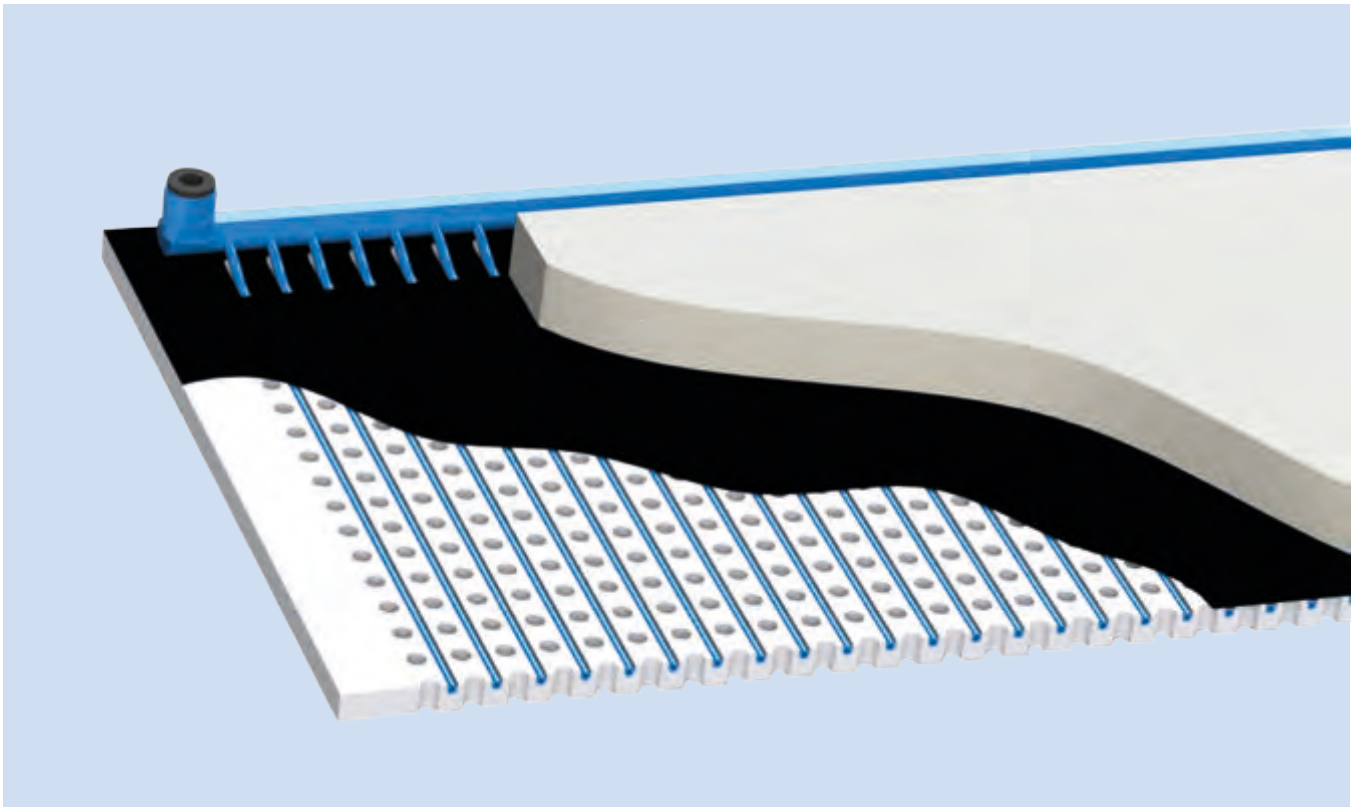
Modern ceiling design entails complex tasks in terms of form, colour and performance. Accessibility in conjunction with integrated cooling and heating function is a frequent issue.

Together with our system partner, Clina Heiz- und Kühlelemente, we have developed a cooling and heating ceiling system that meets these requirements: VoglThermal Tiles.

This product scores not only for its multiple design possibilities, but also for combining a high level of thermal comfort with excellent sound absorption values.

Benefits of VoglThermal Tiles:

- High cooling and heating performance
- Excellent sound absorption values
- Easy-to-install system with plug hoses (included)
- Prefab ceiling manifolds with plug couplings
- Including high-quality acoustic fleece and insulating material lining
- Factory-applied white surface finish
- Various perforation patterns in round and square perforation to choose from
- Also ideal for renovation projects

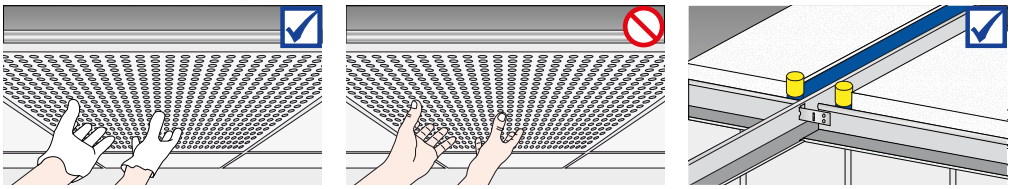


Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Insert active Thermal Tiles into the T-profile structure.

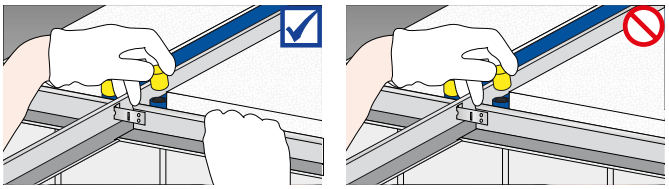
Important: Wear clean fabric gloves!

Connections of capillary tube mats must be side by side.



Remove yellow protective cap from capillary tube mats.

To do so, push down tile by hand at T-profile structure.

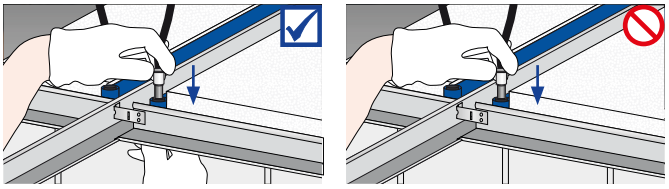


Framework (T-profile system):

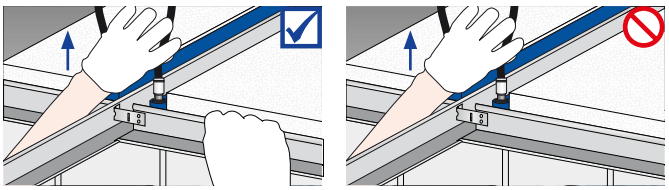
Please observe permissible suspended bracket spacing for mass per unit area of ceiling tiles.

We recommend rigid suspension in vernier system.

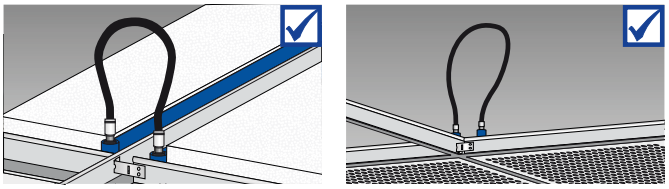
Plug in connection hoses applying counterpressure with other hand from below (wearing fabric gloves).



Check connection hoses for proper plug-in depth and grip. To do so, push down tile at T-profile and try pulling hose back a little.

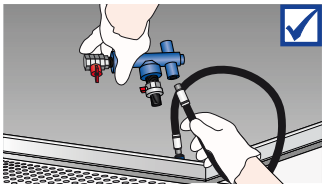


Connection hoses must come to lie in ceiling void neatly, without kinking or twisting.



Hook up to ceiling manifold using flexible hose which can be freely positioned within ceiling void.

Following a pressure test, close ceiling completely using inactive end tiles.

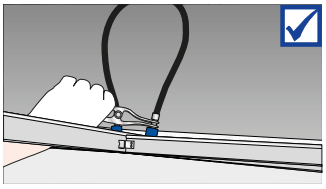


Technical data of capillary tube mats:

Material:	PP-Random-Copolymerisat, colour: blue
Capillary tubes:	4.3 x 0.8 mm; capillary tube spaced 18 or 25 mm apart
Water volume:	approx. 0.4 l/m² mat surface
Test pressure:	20 bar (factory set)

If hoses need to be detached, use special detachment pliers to avoid damage.

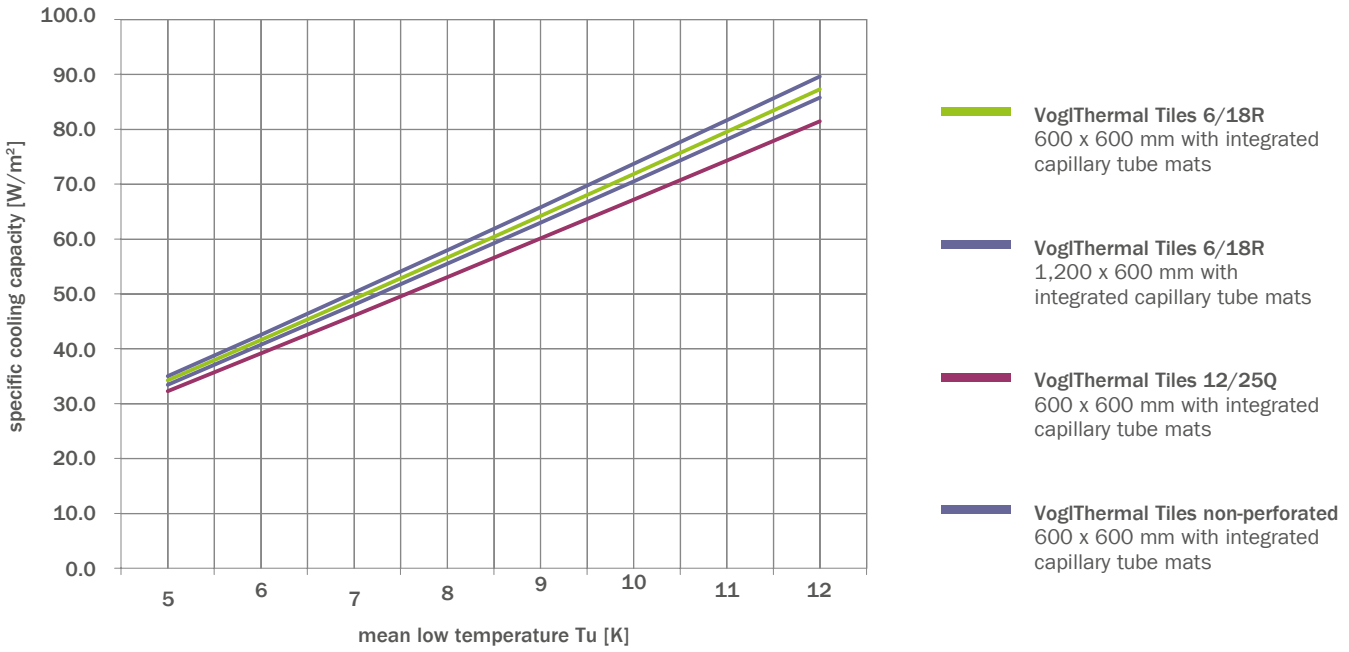
Important: Drain entire ceiling section beforehand.

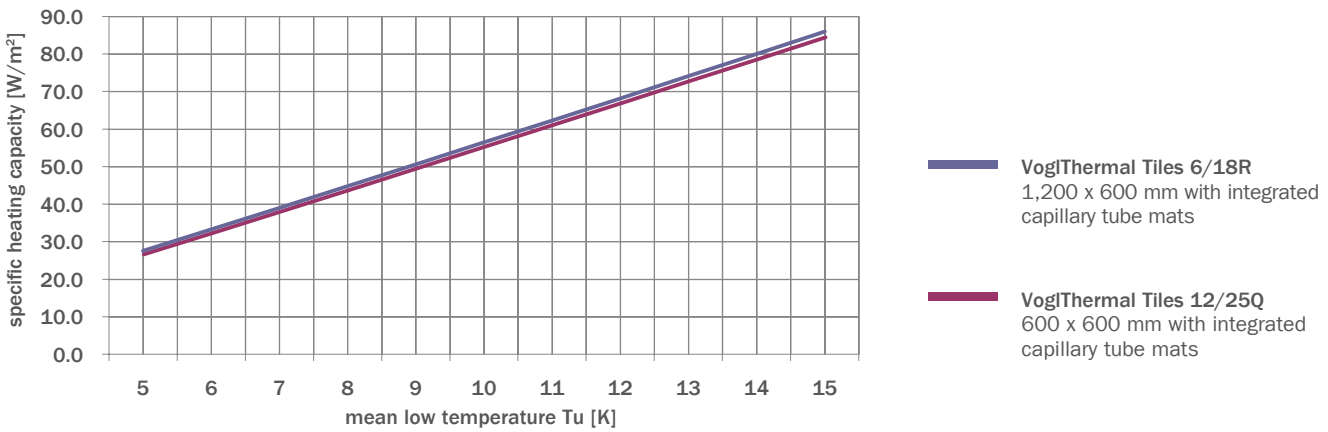


Pressure test requirements:

Conduct pressure test with compressed air (3 bar) observing Clina manufacturer's guidelines, incl. required test report. Further information is available upon request.

	Measurement in compliance with DIN EN 14240		Measurement following DIN EN 13045–5 (draft)
	Cooling performance q standard = 8 K with regard to active surface	Cooling performance q standard = 10 K with regard to active surface	Heating performance q standard = 15 K with regard to active surface
VoglThermal Tiles perforated 6/18R 600 x 600 mm with integrated capillary tube mats	56.6	71.8	85.1
VoglThermal Tiles perforated 6/18R 1,200 x 600 mm with integrated capillary tube mats	55.5	70.5	-
VoglThermal Tiles perforated 12/25Q 600 x 600 mm with integrated capillary tube mats	53.0	67.2	-
VoglThermal Tiles non-perforated 600 x 600 mm with integrated capillary tube mats	58.0	73.7	85.5





Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

System - VoglThermal Tiles

Closed heating/cooling radiation surface in optically sophisticated design for supply/discharge of sensitive thermal load, approx. 60 % through radiation and approx. 40 % through convection, as suspended ceiling tiles in basic system with heating and cooling function, accessible, for insertion mounting in exposed, stove-enamelled metal framework, with factory-mounted insulating material lining layer according to building physics requirements, installation in accordance with manufacturer's instructions, shall be furnished and installed.

VoglThermal Tiles are perforated plasterboards precision manufactured in compliance with EN 14190, th = 12.5 mm, with sharp edges, backed with sound-absorbing fleece and insulating material lining 30 mm (WLG 040), exposed side with factory-applied white finishing coat.

Clina PP capillary tube mats with plug connections for hooking up flexible hoses are factory-integrated into Thermal Tiles invisibly. Owing to their small inner diameter, capillary tubes are self-ventilating. Required, uniform pressure loss within active area must be ensured.

Framework:

Metal framework made of T 15/T 24 rails as main and cross profiles shall be hung from structural soffit with flush and horizontally aligned suspended brackets and installed using fixing materials approved by the building authorities. Install wall connection profile at the perimeter walls flush and horizontally aligned following the ceiling line.

Framework as per DIN EN 13964
Profiles: T 15/T 24 rails as main and cross profiles.

Wall connection profile:

- L-angle, approx. 25/20 mm*
- Step angle, approx. 33/30/15 mm*

Suspended brackets:

- Mount to structural soffit in vernier system
- Use fixing materials approved by relevant building authorities

Profile coating:

Exposed surfaces are factory stove-enamelled. Colour: white

Thermal Tiles consisting of:

Perforated plasterboard

Processed plasterboard as per EN 14190	
Dimensions:	600 x 600 mm / 625 x 625 mm / 1,200 x 600 mm / 1,250 x 625 mm*
Perforation:	6/18R, 8/18R, 12/25R, 12/25Q*
Thickness of inlaid tiles:	12.5 mm
Backed with acoustic fleece:	black
Surface:	white finishing coat

Capillary tube mat

Material:	PP-Random-Copolymerisat,
colour:	blue
Capillary tubes:	4.3 x 0.8 mm
Capillary tube spacing:	18 mm / 25 mm
Water volume:	approx. 0.4 l/m² mat surface
Test pressure, factory set:	20 bar

Before completely closing the ceiling, the client shall conduct an initial pressure test (preliminary test) with 3 bar compressed air in accordance with the relevant Clina guideline and prepare a test report.

The main test with 10 bar liquid system medium in compliance with the relevant Clina guideline will be carried out by the system engineering discipline (covered in separate specifications) following the filling and bleeding of the system through the system engineer.

Technical data:

Specific cooling capacity to the room as per DIN:	65 W/m² system panel (delta T 10K)
Specific cooling capacity under design conditions:	58 W/m²
Perceived room temperature:	26 °C
Cooling water supply:	16 °C
Cooling water return:	18 °C
Specific heating capacity to the room as per DIN:	76 W/m² system panel (delta T 15K)
Specific heating capacity under design conditions:	71 W/m²
Perceived room temperature:	20 °C
Heating water supply:	35 °C
Heating water return:	33 °C

Active proportion of entire ceiling: Approx. ..... %

Type:	VoglThermal Tile with integrated Clina capillary tube mat			
Length in mm:	600	625	1,200	1,250*
Width in mm:	600	625	600	625*

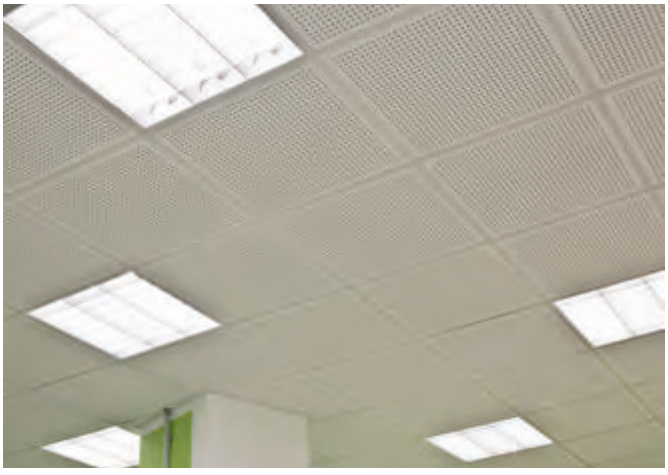
Room-side connection, incl. hydraulic hook-up of cooling elements, shall be furnished and installed.

Depending on the pressure loss, flexible plug hoses DN10 l = 800 mm, (type SNY10.800) shall be used for the connection of several tiles in a row to sections. By means of plug connections, these sections will then be hooked up to the Clina ceiling manifolds DN 15 via two equally long connection hoses DN10 l = 5,000 mm (type SNY10.5000) which have to be laid in the ceiling void prior to inserting the ceiling tiles.

Clina ceiling manifolds consist of a main control valve (DN 15), an FE valve and 3 to 7 plug connections for flexible hoses mentioned above.

The following additional services are included:

- Entering tile arrangement in ceiling plan
- Connection to Clina ceiling manifold
- Pressure test with compressed air (3 bar) observing Clina manufacturer's guidelines, incl. required test report
- Closing inactive perimeter areas
- Monitoring system pressure during further drywall work
- Instructing operating personnel
- Inspection documents, documentation of location of active system tiles



* Delete as applicable

Moulded Components

Curved Ceilings
in any Shape or Form

Delivered to the site in perfect shape

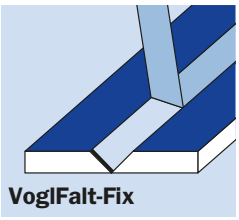
Experience a room through precision

The bending and folding technology offers an abundance of creative design possibilities. An optimum ceiling solution can be realised with linear V-grooves.

In addition to the Vogl Fold Fix, it is the various angles or edges, but also the bent and rounded moulded components that create – depending on customer desire and design – an impressive experience of space.

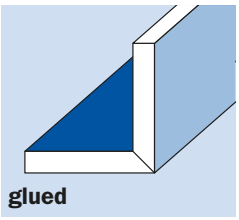
Effective ceiling design can be realized with accurately sized custom-made moulded components, such as quarter shell, half shell, lamella, funnel, dome or vault.

Available V-grooves



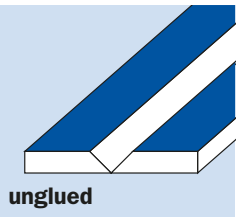
VoglFalt-Fix

Fold Fix moulded components come flat (space-saving) and factory-supplied with VoglFalt-Fix adhesive tape.



glued

Special glued moulded components come ready to install.



unglued

Special unglued moulded components come flat and must be assembled and glued on-site.

1. Delivered flat

2. Remove cover paper

3. Press limbs firmly together

4. Done!

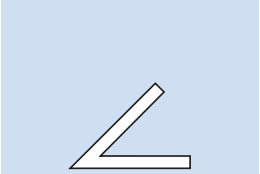
Key advantages:

- Glueless joining of moulded components on site, no priming, no drying times
- Easy on-site handling of moulded components
- High adhesive strength immediately
- Angle adjustment of ± 2° after adhesion
- Delivered flat–less handling damage

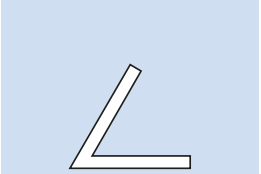
Note:

Vogl Fold Fix moulded components must be installed without any stresses acting upon them.
The free limb must always be fixated.

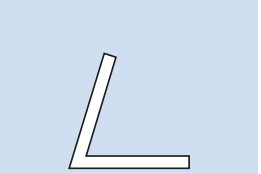
Available angles



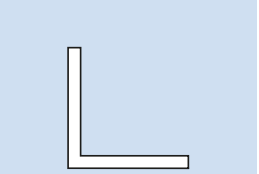
45°



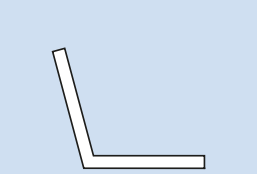
60°



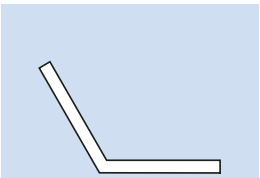
75°



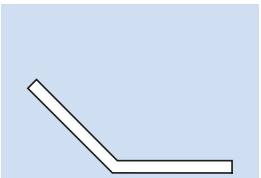
90°



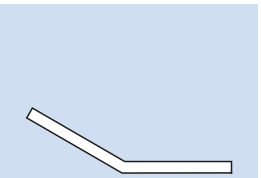
105°



120°



135°



150°

Other angles on request

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Available edge designs (subject to technical feasibility)

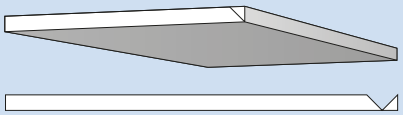
VK	HRAK	AK	RK	FK	SK	PU	KU	lamella
full edge	half-round flattened edge	flattened edge	round edge	chamfered edge	cut edge	paper-clad edge	cardboard-clad edge	lamella edge

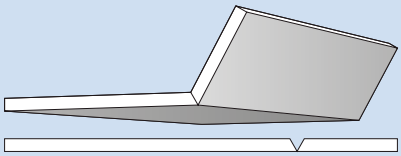
Available panel designs / thicknesses

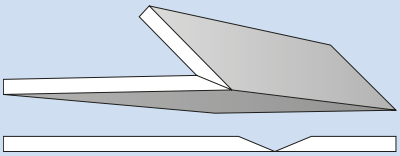
Type	Description	Performance	Thickness in mm
A	Plasterboard type A as per EN 520 Plasterboard type GKB as per DIN 18180	Standard plasterboard Note: Available in 10 mm thickness as Thermotec panel or Thermotec panel PLUS (containing graphite)	6.5 mm 9.5 mm 10.0 mm 12.5 mm
DF	Plasterboard type DF as per EN 520 Plasterboard type GKF as per DIN 18180	Plasterboards with improved fire behaviour	12.5 mm 15.0 mm 18.0 mm 20.0 mm 25.0 mm
DFH2	Plasterboard type DFH2 as per EN 520 Plasterboard type GKFI as per DIN 18180	Plasterboards with reduced water absorption (impregnated)	12.5 mm 15.0 mm 20.0 mm 25.0 mm
GM-FH1I	Plasterboard type GM-FH1I as per DIN EN 15283-1	Waterproofed special panel for use in damp rooms	12.5 mm

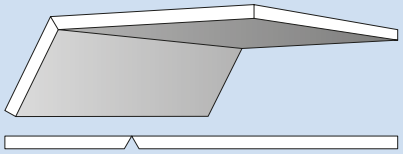
V-grooves

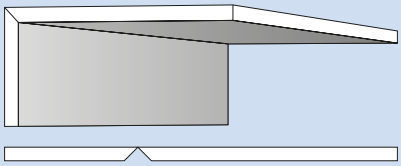
Ⓢ = face side

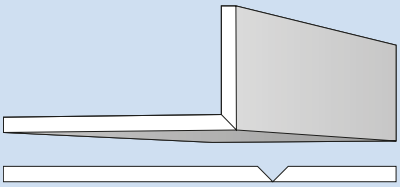
1

Ⓢ

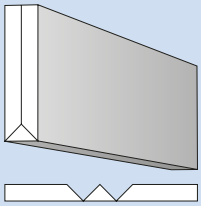
2

Ⓢ

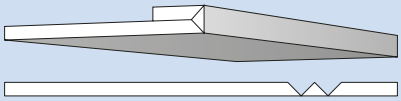
3

Ⓢ

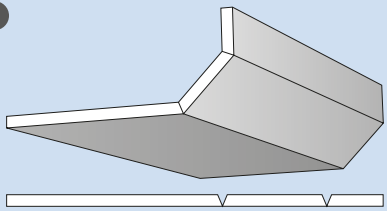
4

Ⓢ

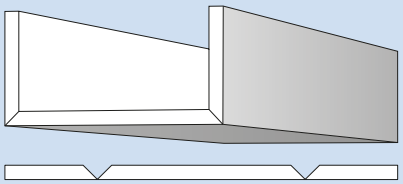
5

Ⓢ

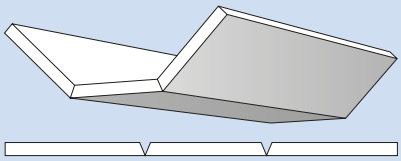
6

Ⓢ

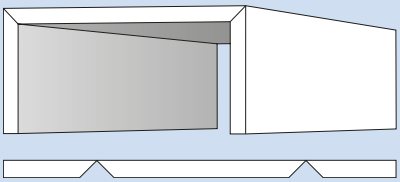
7

Ⓢ

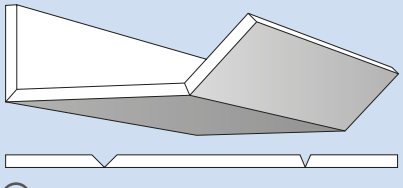
8

Ⓢ

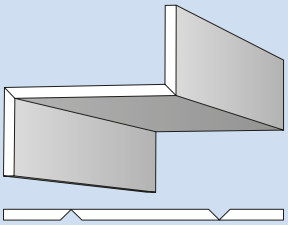
9

Ⓢ

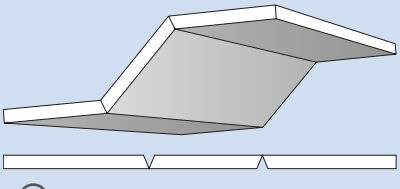
10

Ⓢ

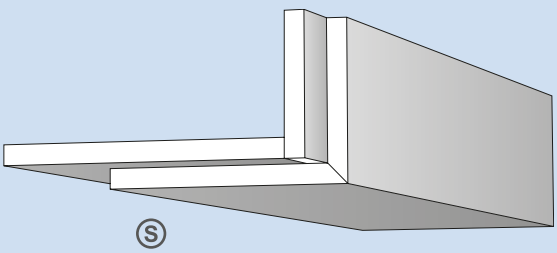
11

Ⓢ

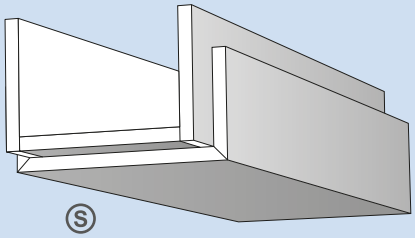
12

Ⓢ

13

Ⓢ

14

Ⓢ

15

Ⓢ

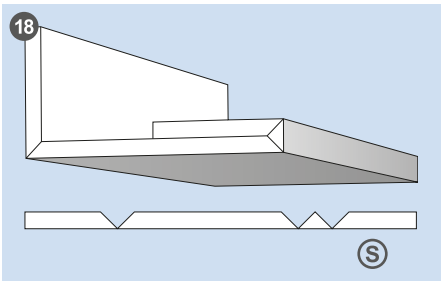
16

Ⓢ

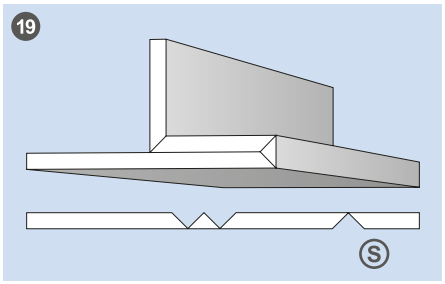
17

Ⓢ

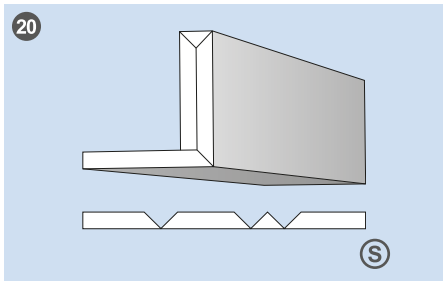
Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

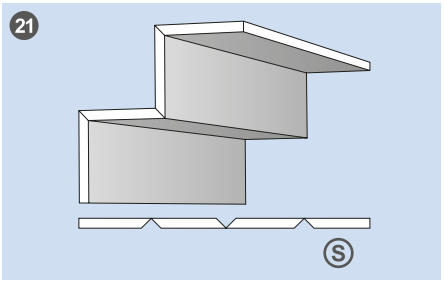
V-grooves

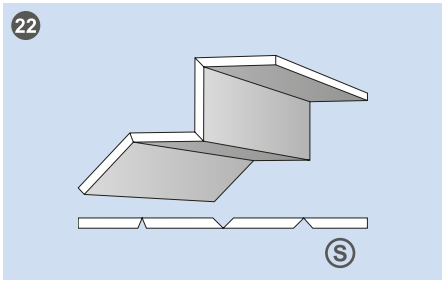
Ⓢ = face side

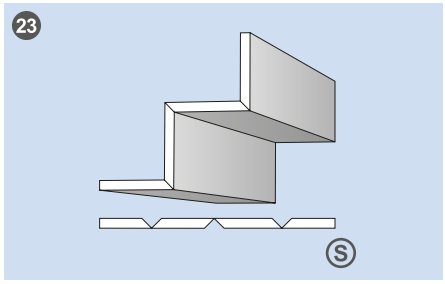
18


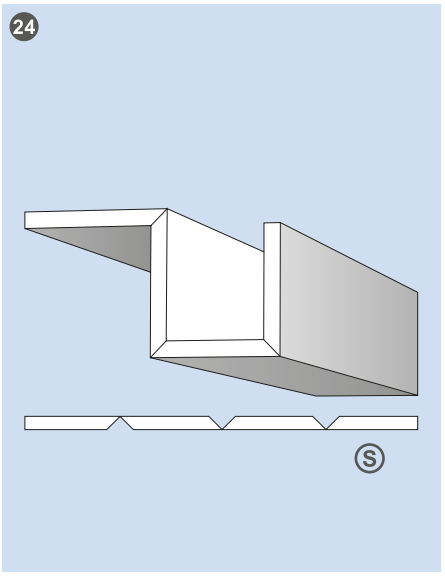
19


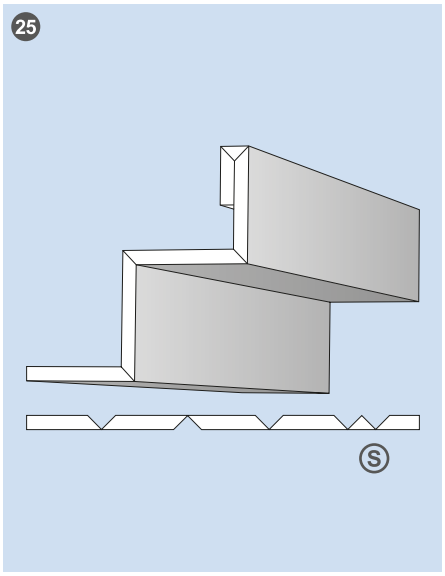
20


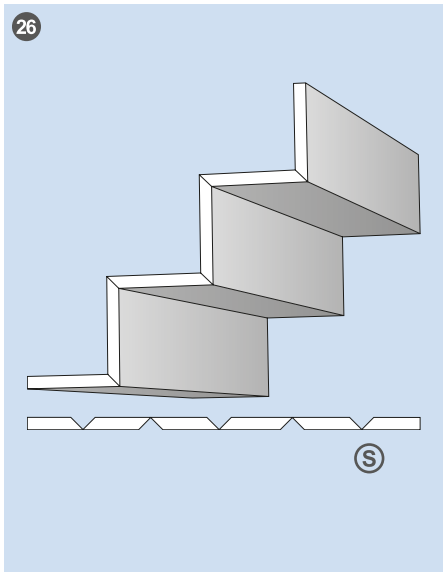
21


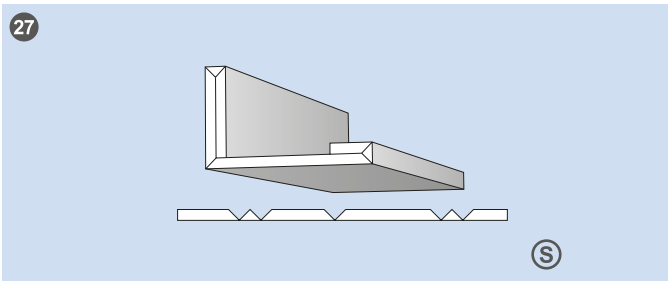
22


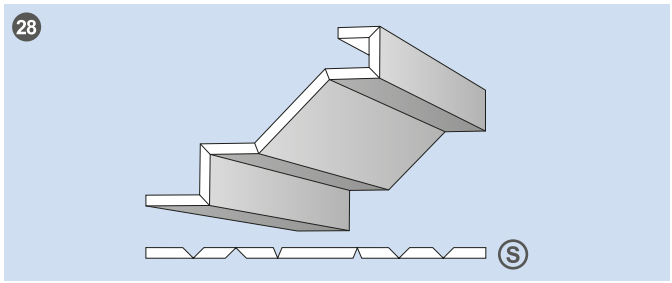
23


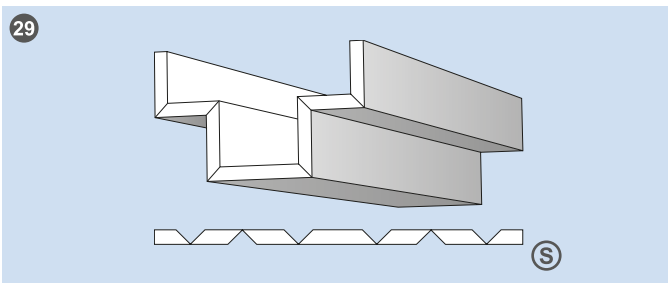
24


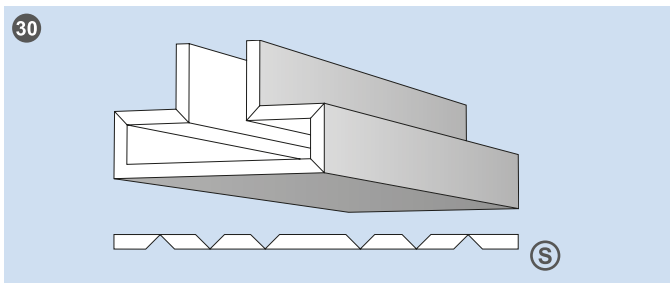
25


26


27


28


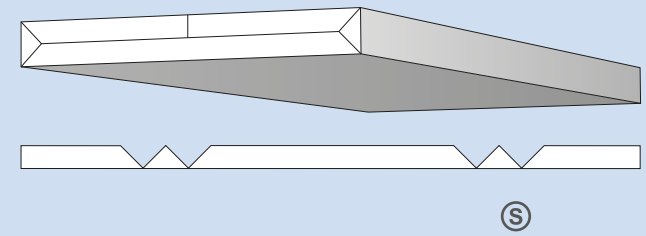
29


30


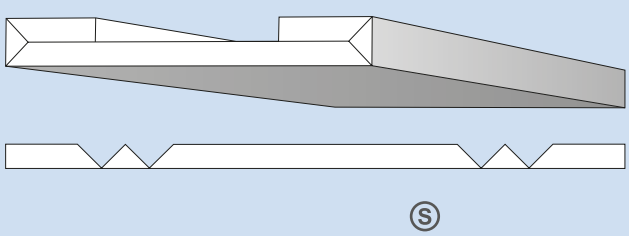
V-grooves

Ⓢ face side

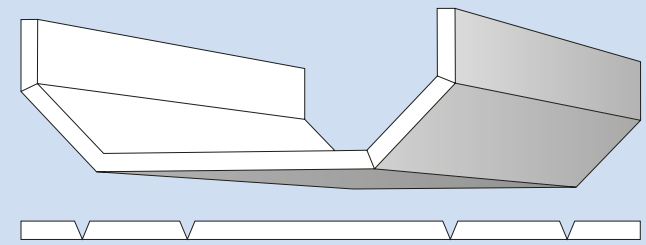
31



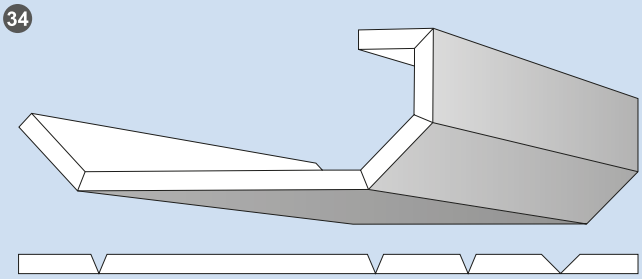
32



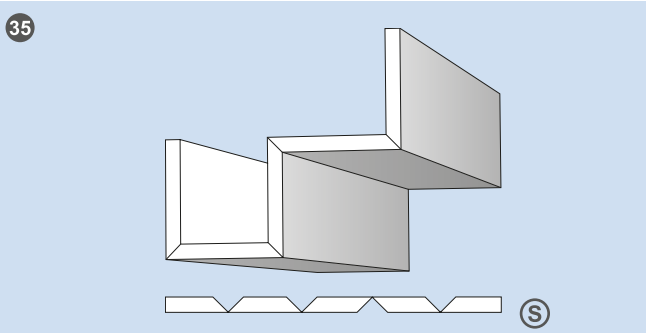
33



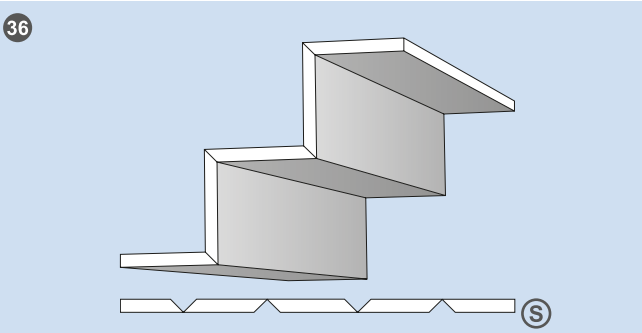
34



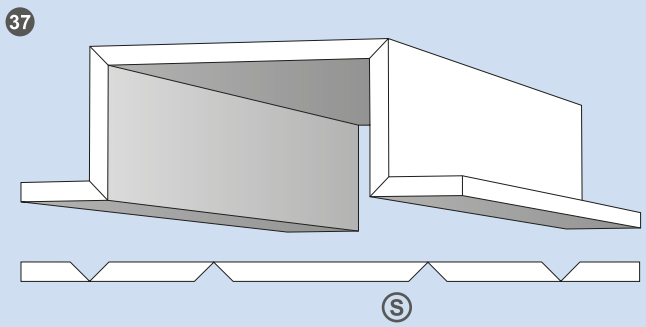
35



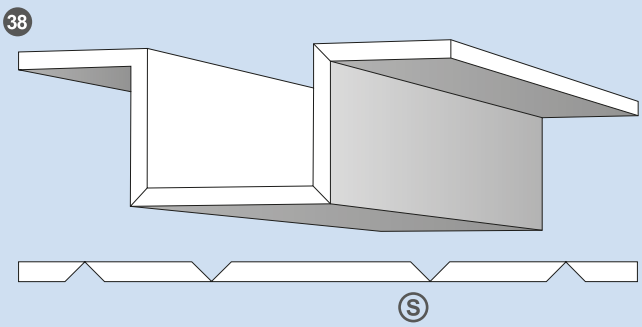
36



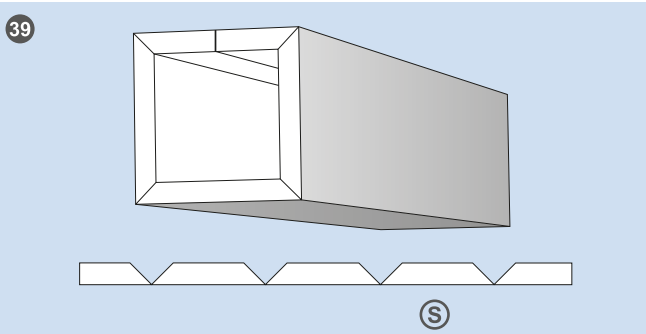
37



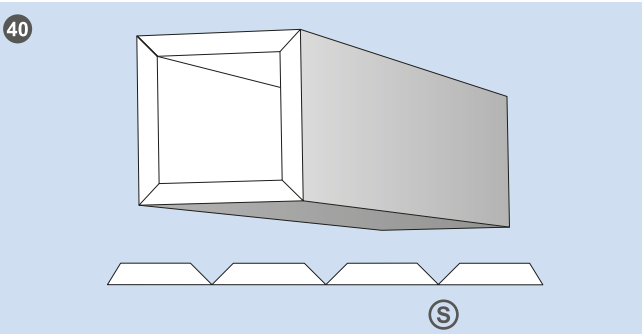
38



39

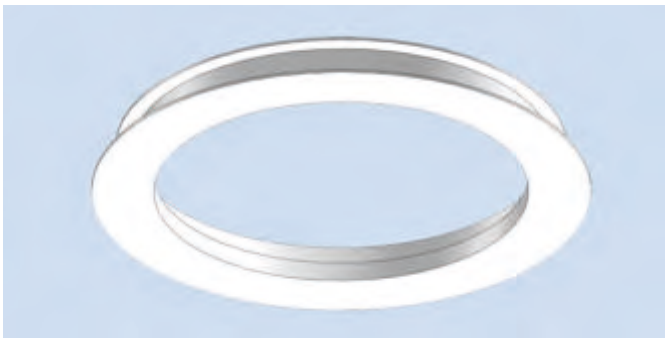
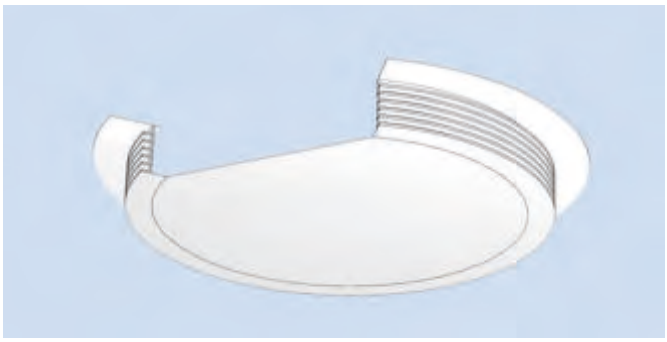
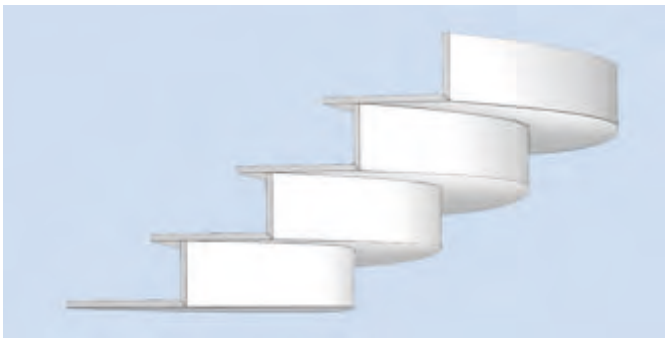
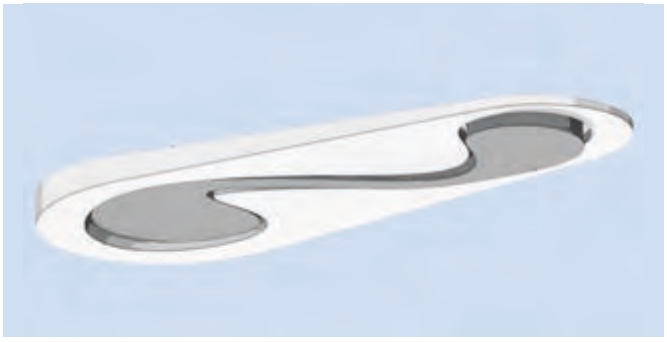


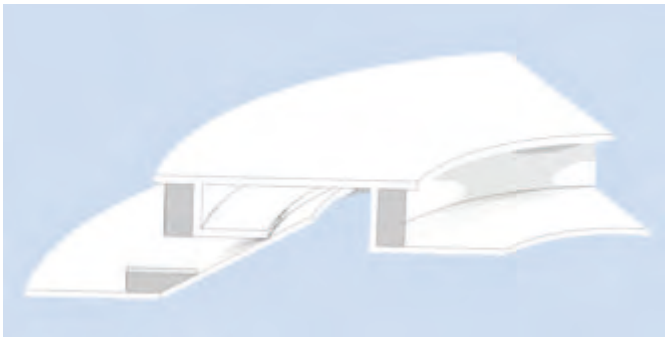
40

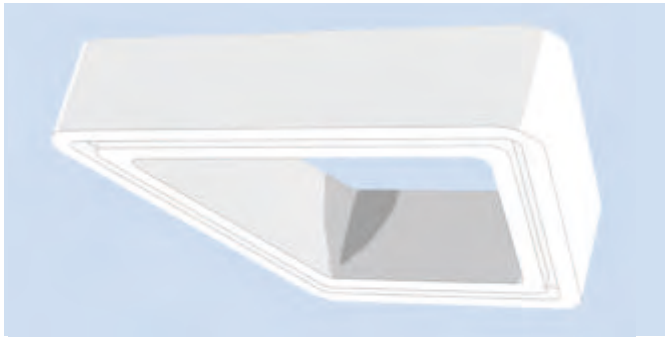
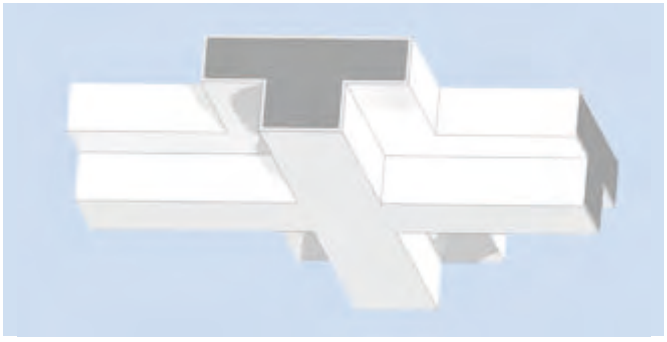


Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Special elements

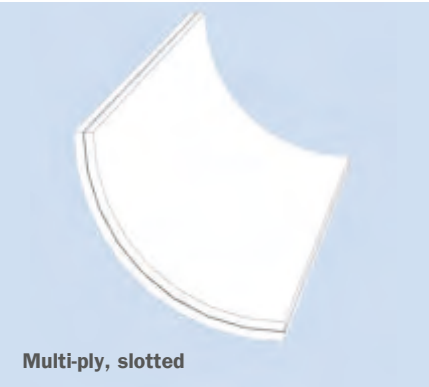







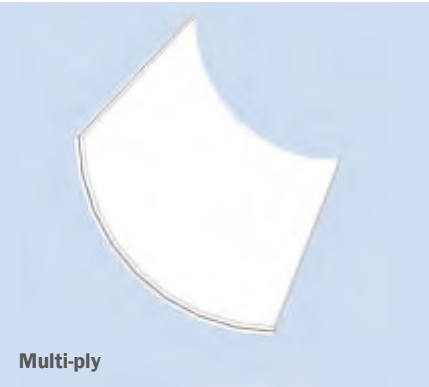




Layered structure of panel

One-ply, slotted



Multi-ply, slotted



Multi-ply

Shapes

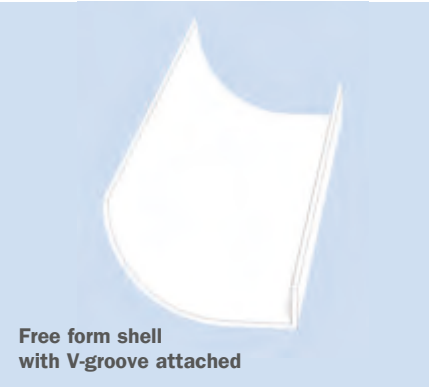
Quarter shell 90°

Half shell 180°

Segmental shell 15° - 180°

Free form shell

Free form shell



Free form shell
with V-groove attached

Start element

One side

Both sides

Offset

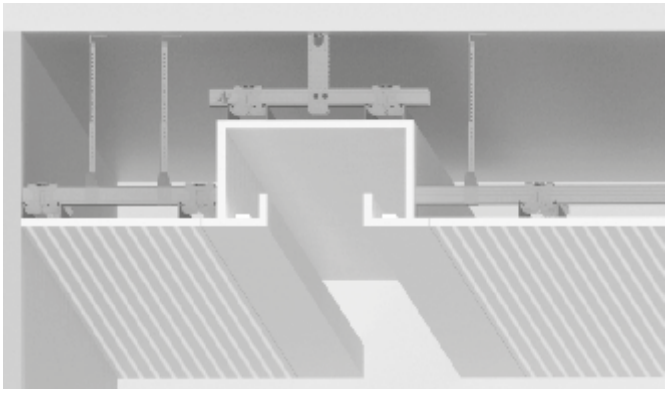
Axial

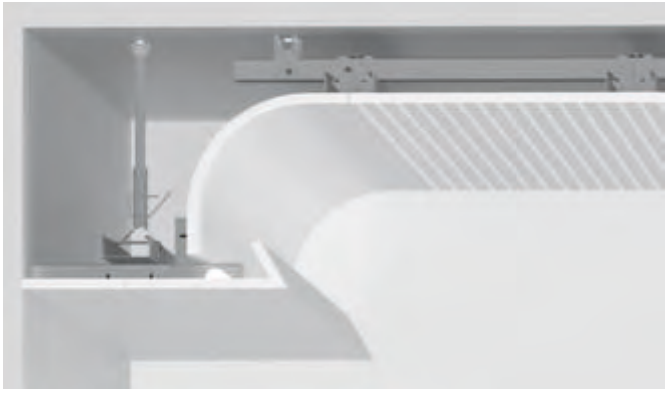
Radial

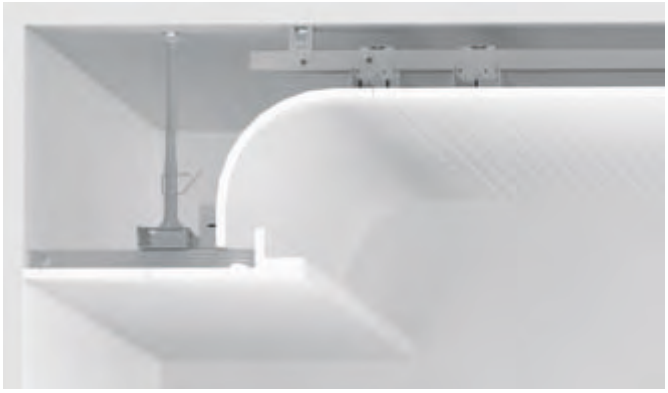
Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Cuts

V-grooves



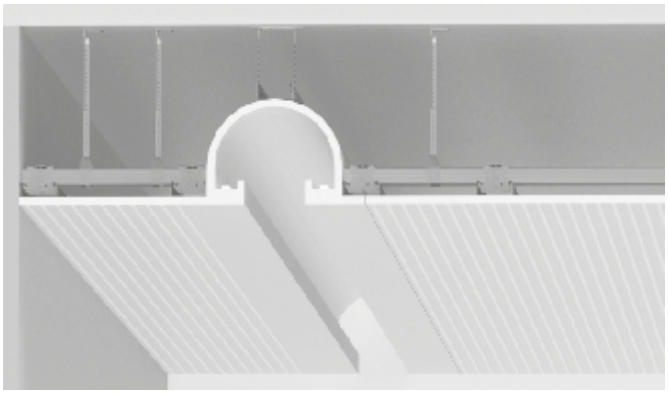


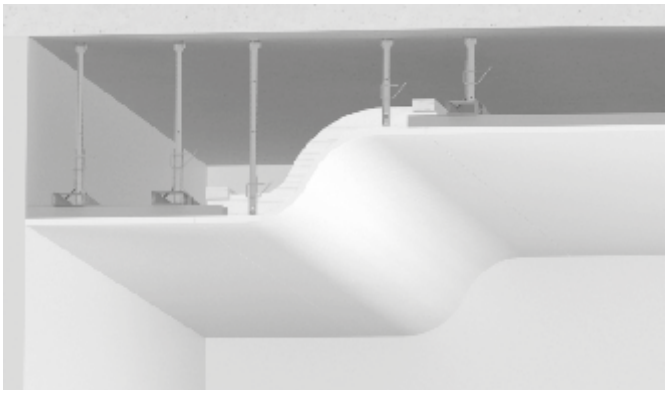


Shells

Note: The illustrated moulded components do not show the necessary suspension/framework completely. When planning a project, however, they must be individually considered.

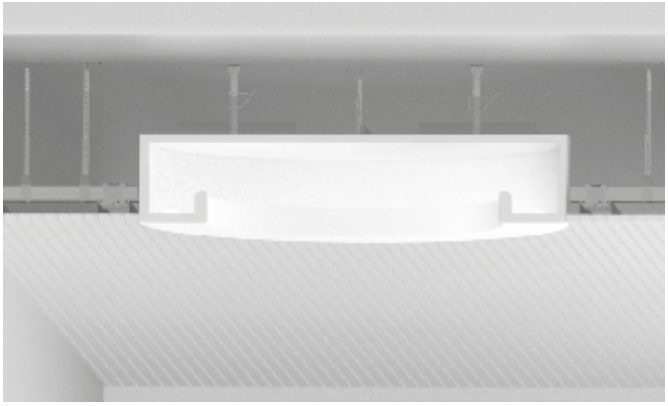
Shells





Plasterboard strips

Rounded L-angles



Note: The illustrated moulded components do not show the necessary suspension/framework completely. When planning a project, however, they must be individually considered.

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Baffles

Lamellas

Note: The illustrated moulded components do not show the necessary suspension/framework completely. When planning a project, however, they must be individually considered.

3D Design

Absolute Precision
in Every Dimension

The easiest way to get ceilings into swinging shape

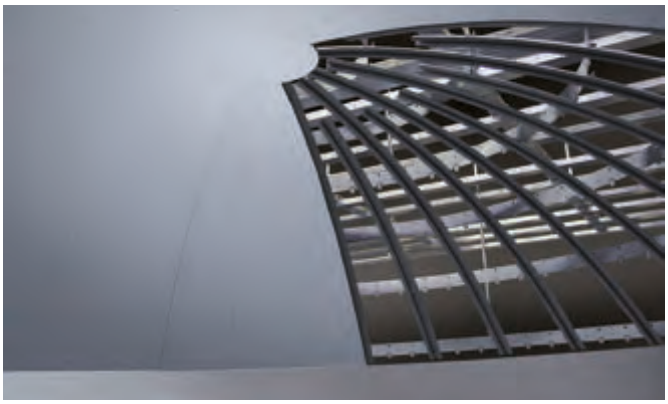
The easiest way to get ceilings into swinging shape

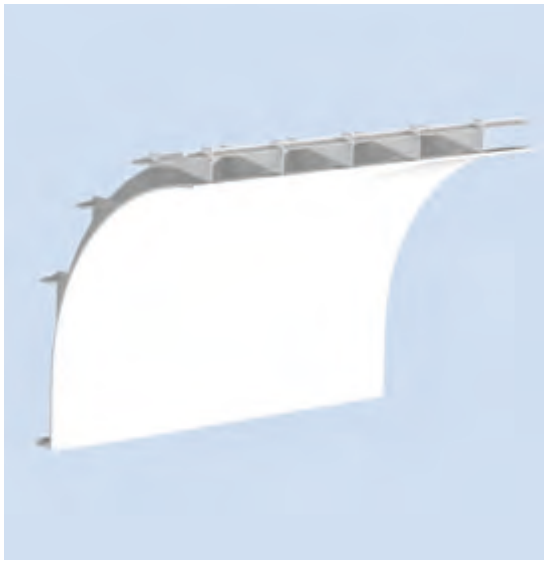
Competence is called for when it comes to the planning and manufacture of vault ceilings, domes or free shapes.

Our long-standing experience and absolute precision in the production of curved moulded components enable us to achieve the complex interaction between the individual components of steel and gypsum. In this process, it is not only the design that counts. Another aspect of great importance to us is the ease of handling during transport and on the job site. So we package the prefabricated moulded elements ready for shipment and deliver them to their destination.

Absolute precision already pre-fabricated:

- Complex two- and three dimensional shapes can be produced
- Economical installation provides an important time advantage and result reliability
- Manageable units for optimal logistics and handling on the job site
- Customised special solutions from lightweight steel construction to individual covering are realised





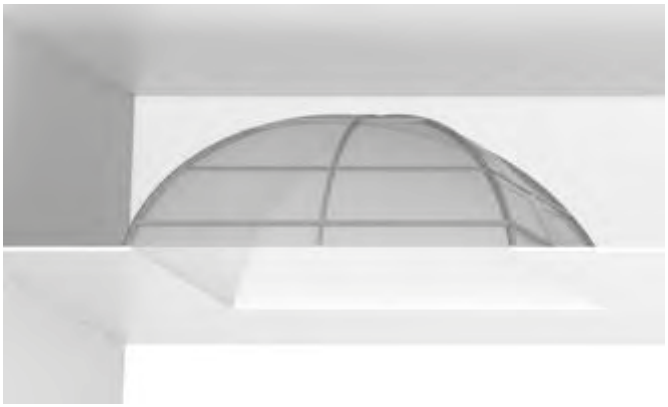
Benefits of Vogl 3D moulded components:

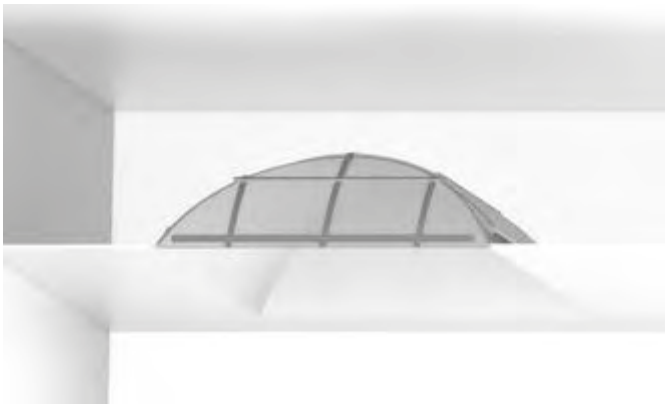
- Consistent shapes, perfect radii – component by component
- Almost no filling and patching work required
- Economical and clean way of working
- Elegant, practicable system solutions for frameworks
- High level of pre-fabrication = rational construction site handling

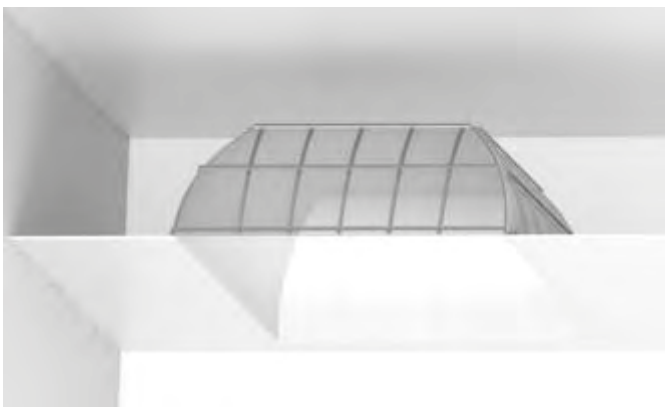
Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Dome

Vault

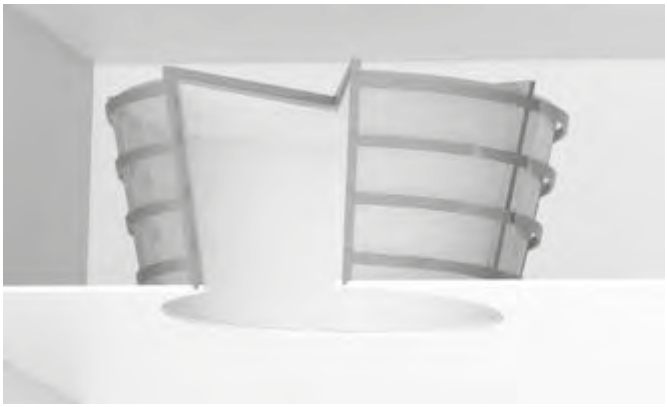




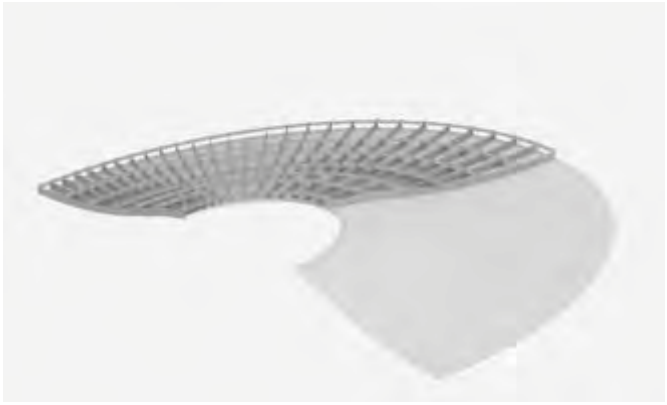


Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Funnels



Free shapes



Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Vogl Access Panels

Quick Access
Whenever Needed

Perfect integration married
with functional handling

Quick access,
homogeneous design

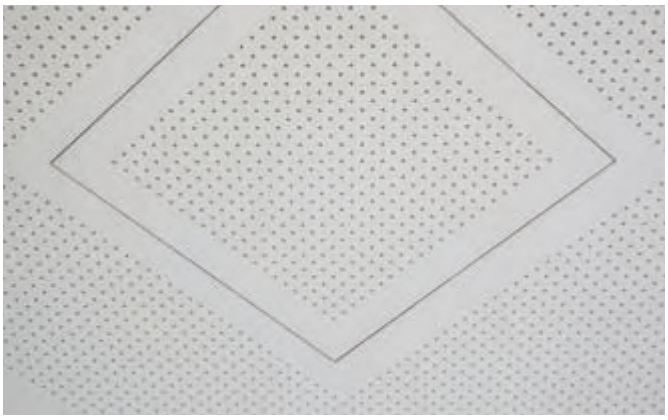
Acoustic ceilings usually have more than one function. The space in the ceiling void must often be used for technical installations such as lighting, climate control, sound and fire protection systems.

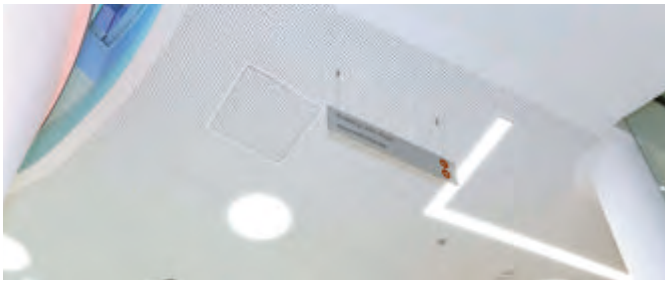
Vogl Access Panels are essential to keep these installations accessible for maintenance and repair even after the suspended ceiling has been installed.

Vogl Access Panels offer top performance for easy access while fulfilling all aesthetic requirements at the same time.

The benefits of Vogl Access Panels in detail:

- Available in 10.0/12.5/15.0 mm thickness for various applications
- Sturdy, high-quality aluminium frame for dimensional stability
- Multiple perforation patterns available ex factory
- Consistency in the rows of perforation throughout the ceiling
- Backed with acoustic fleece for high acoustic performance
- Sturdy catch mechanism (for panels > 300 mm) keeps the access panel insert from falling down while being opened
- Customised special designs can be realised





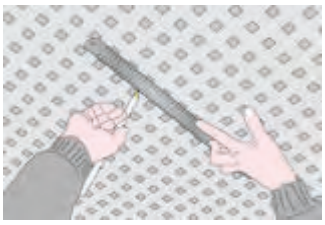
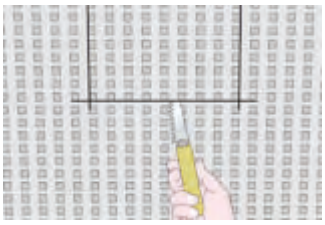
The standard catch mechanism (for Vogl Access Panels > 300 mm) prevents the access panel insert from falling down accidentally while being opened. For work in the ceiling void, the insert can be conveniently detached and removed.

The factory-installed perforated panel insert makes for easy integration into the ceiling surface.
Exception: Random perforation panels should always be fitted into place at the job site.

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

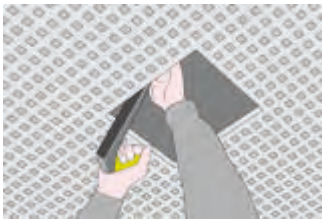
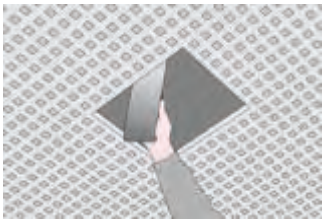
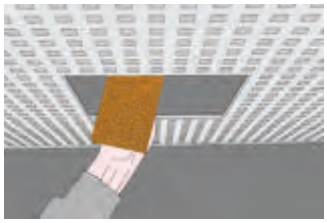
Vogl Access Panels - Installation

Mark intended position of access panels on ceiling, considering that cutout has to be 4 mm larger than Vogl Access Panel / clear passage size. Then cut out marked section, making sure there are no panel joints within area of cutout.

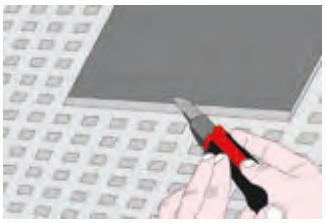



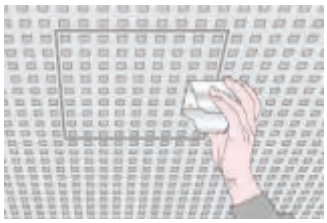
Note:
- Install trimmers of CD profiles in accordance with dimensions of access panel
- Observe distances between cutout and trimmer of min. 30 mm and max. 50 mm
- Mount 4 additional suspended brackets in corner areas of access panels
- It may be necessary to include additional suspended brackets so as not to exceed maximum bracket spacing

The way to achieve the most accurate dimensions of the cutout is to use a plasterboard plane and/or sandpaper / abrasive mesh for the precision work.

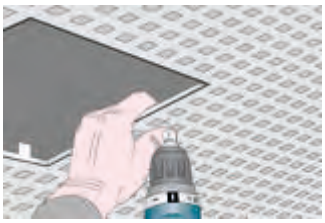
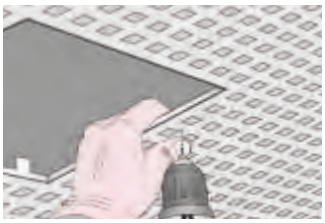




Chamfer visible side of acoustic design panel slightly to facilitate filling of joints later on.
Then insert frame of Vogl Access Panel and hold it in place by means of a mounting aid matching perforation pattern.



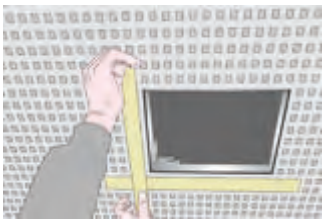


Predrill Vogl Access Panel frame with metal drill and fasten it with perforated panel screws SN.

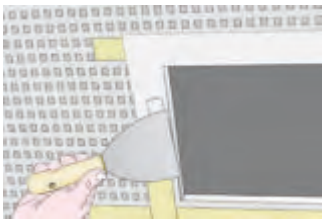
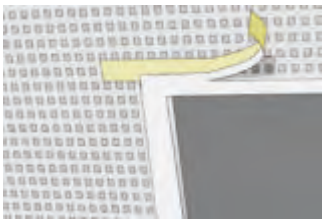
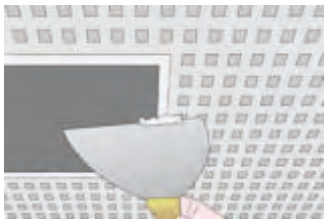



Be sure to use at least 2 screws per frame side for panel size < 500 x 500 mm and at least 3 screws per frame side for panel size > 500 x 500 mm.

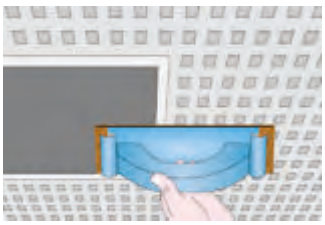
Then insert lid and check closing function. Cover row of perforation directly adjacent to access panel with masking tape.

Now apply filling compound to access opening, remove masking tape right afterwards and knock away any excess filler to make it flush with ceiling surface. Observe relevant filler manufacturer's instructions.

After filler has dried, sand any edges or protruding material.



Note:
- Our "Painting Instructions" are applicable for final coating
- Take out the access panel insert and paint it separately to prevent paint from getting into narrow joint between frame and insert
- Clean outer and inner frame thoroughly after coating
- Exception: With acoustic plaster ceilings, plasterboard insert should remain in ceiling surface in order to obtain uniform spray pattern. In this case make sure to clean joint between frame and insert after every spray application.

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

VoglModu

Light to the site – ready to go

The creation of light strategies used to be a job for specialists.

With the VoglModu illumination modules, the industry receives factory made light modules for the first time. They provide freedom of design and the additional advantage of easy installation. Whether for integration in suspended ceilings or as tailored illumination modules for floating ceilings:

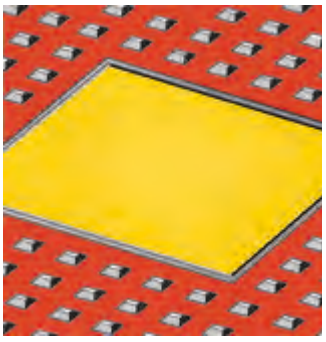
They offer diversity and multi-purpose use. The round or square design of the illumination modules harmonises ideally with the respective perforation patterns of the perforated panel ceilings. VoglModu is equally suitable as a functional eye-catcher for the design of smooth or plastered surfaces, whether wall or ceiling.

The modular illumination system ready for installation:

- The fantastic effects of a light module with unexpected ease of assembly
- Prefabricated modules for simple wall and ceiling installation
- For integration in suspended perforated ceilings, plaster ceilings and smooth ceilings or as integration in floating ceilings to complement existing surfaces
- Perfectly flush and levelled perimeters in the finished areas
- Available in various types of shape, format and technical equipment
- Apart from the standard design, a dimmable or a DALI-compatible design with colour combinations is available
- Innovative colour design by simply covering the fluorescent lamps with coloured foils

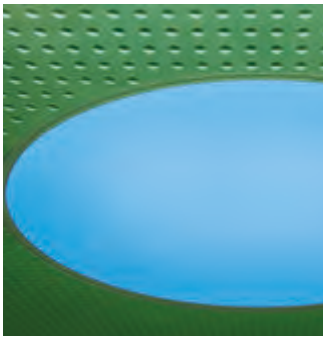
Prefabricated for delivery to the job site:

The light module is installed into the ceiling structure accurately fitting, which results in perfectly flush and levelled perimeters in the finished areas.



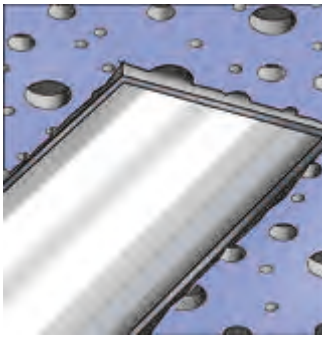
Benefits of VoglModu:

- Fits in perfectly with the ceiling appearance
- Perfectly easy to install in suspended ceilings or to integrate into prefabricated floating ceilings
- No special skills required
- Install large-area and coloured lighting
- As fast as lightning
- Can be used as a "stand-alone" light module



Illumination in just a few steps:

After connection to the building services and fitting of the fluorescent tubes, the frame which is already covered with a matt foil can be installed – done!



Disadvantages of conventional ceiling lighting:

- No homogeneous integration into the existing ceiling design
- Intricate installation procedures
- Very limited illumination performance

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Vogl Stretch Ceilings

Impressive play between form, colour and light

The spectrum of design possibilities has been significantly expanded with acoustic design ceilings. Using colour, light and degrees of gloss, the elegant integration of stretch ceiling surfaces in acoustic design ceilings makes for a striking aesthetic appearance and, in its function as an illuminated ceiling, provides a gentle surface lighting with variable colour mix. The superb diversity of both colours and shapes is imposing!

Clear geometric surfaces or freely defined shapes, combining various perforation patterns of the acoustic design panels, result in ceiling areas which are rich in contrast and can be level or stepped for 3D accentuation. In addition, Vogl's renowned economical, quick and reliable processing provides confidence in the final product.

Vogl Stretch Ceilings offer almost unlimited freedom of design with:

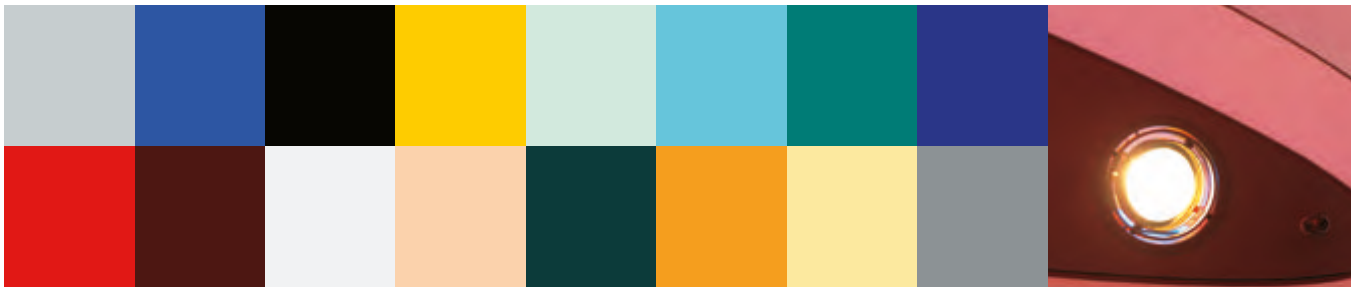
- exciting surfaces and three-dimensional shapes
- contrasts between colours and degrees of gloss
- accentuated interaction of light and illumination
- more corporate design by using printed foils
- ideal combination possibilities with Vogl acoustic design ceilings in form, colour and performance

Great when renovating:

- Minimal production and business down times
- No generation of dust and moisture
- Buildings generally remain operable
- No removal and disposal of existing ceilings
- No expensive new installations

Great in wet environments:

- Suitable for spa areas through foil colours or colour-controlled illuminated ceilings
- Completely moisture-resistant foils and profiles
- Splash protection for ceiling installations such as light and sound systems
- Reduction in the reverb time



Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

VoglDouble Layer Fleece

On One Level
in Spite of Differences

The multitalent for your acoustic design ceiling

Evenness easier than ever

This is what drywall construction has waited for: Evenness between perforated and smooth gypsum boards used to be achieved by tedious spackling.

It required a tremendous effort to equalize the small difference in height caused by the fleece laminated on the back of the perforated panels.

The idea for achieving evenness in record time is brilliantly simple: VoglDouble Layer Fleece, which is self-adhesive and comes on rolls, ready for use, makes the levelling of height differences easier than ever.

Brilliantly simple realisation of shadow gaps in contrasting colour for the perfectly designed ceiling. Optically appealing design of expansion joints by backing them in black or white.

Benefits of the VoglDouble Layer Fleece system:

- Faster and more economical installation due to self-adhesive rolled material
- Tedious, time-consuming spackling is now a thing of the past
- Practical helper for many transition and connection issues
- Homogeneous material for perfect connection to fleece-laminated perforated panels
- Available in various tape widths for single or double application
- Available in white or black fleece colour

Expansion joints

For the coloured design of expansion joints in the ceiling.

Your advantages when using VoglDouble Layer Fleece:

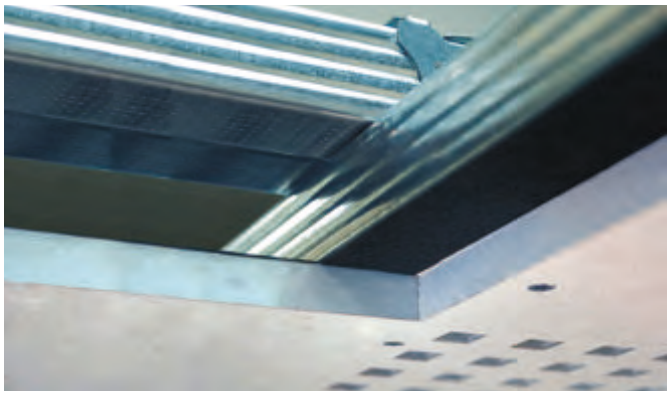
- Clean workmanship (no need to use a brush)
- Available in black or white
- Tape on rolls is applied quickly and easily

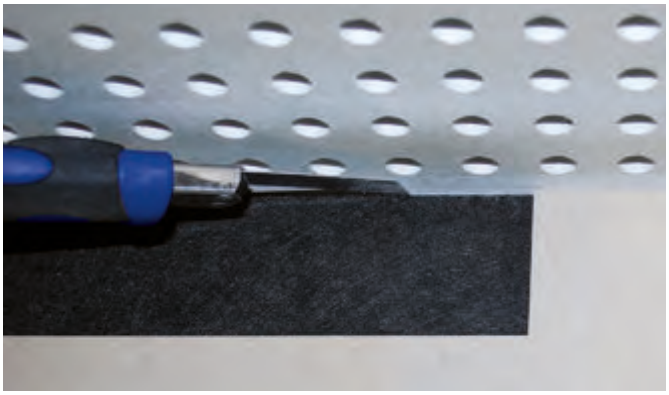
Panel connections

Flush panel connections between perforated panels and smooth plasterboards.

Your advantages when using VoglDouble Layer Fleece:

- Quick installation with self-adhesive roll material
- No filling work – connection between perforated panels and smooth plasterboards possible with VoglFriestape 20 mm
- Available in various tape widths
- Single-layer or multi-layer application possible (depending on height difference)





Wall connections

Perfect wall connections in various designs. Whether as filled joint or as wall connection with shadow gap.

Your advantages when using VoglDouble Layer Fleece:

- Functions as separating tape for a filled joint
- Colour of shadow gap available in white or black
- One product only for a variety of joint and connection applications

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

VoglDouble Layer Fleece		
Item number	**Item description**	**Dimensions**
101793	VoglDouble Layer Fleece VAD 32 black Self-adhesive fleece, black	Roll width 32 mm Roll length 200 m
101795	VoglDouble Layer Fleece VAD 62 black Self-adhesive fleece, black	Roll width 62 mm Roll length 200 m
101794	VoglDouble Layer Fleece VAD 32 white Self-adhesive fleece, white	Roll width 32 mm Roll length 200 m
101796	VoglDouble Layer Fleece VAD 62 white Self-adhesive fleece, white	Roll width 62 mm Roll length 200 m

Extra: Non-perforated frieze area, frieze areas w= _____mm of smooth plasterboards.

Create frieze areas of smooth plasterboards, th = 12.5 mm, transition from frieze area to perforated panel ceiling made with VoglDouble Layer Fleece (height compensation) and VoglFriestape 20 mm. Installation in accordance with manufacturer's instructions.

Extra: Expansion joint for ceiling structure.

Integrate expansion joints in aforementioned ceiling system. In this area, separate framework completely from the rest. Back expansion joint with a strip of plasterboard coloured with VoglDouble Layer Fleece in black*/white*. Screw down backing strip of plasterboard on one side only. Width of joint > 5 mm. Insert edge protection profile, if required.

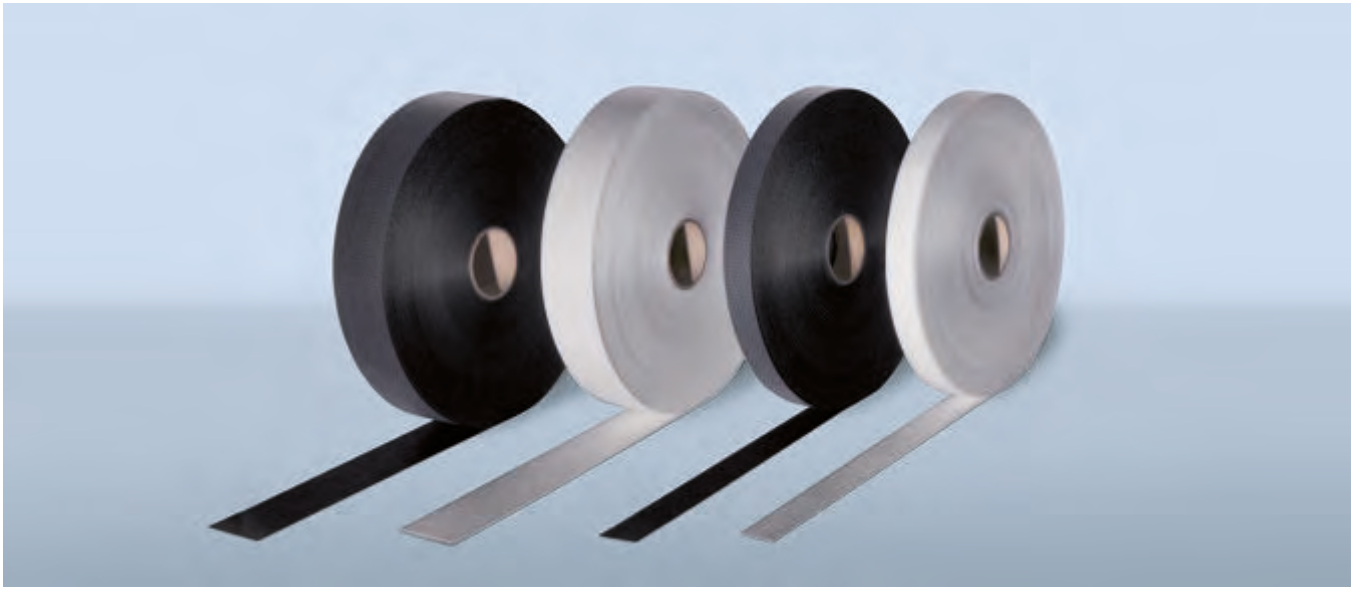
Extra: Wall connection, with coloured shadow gap.

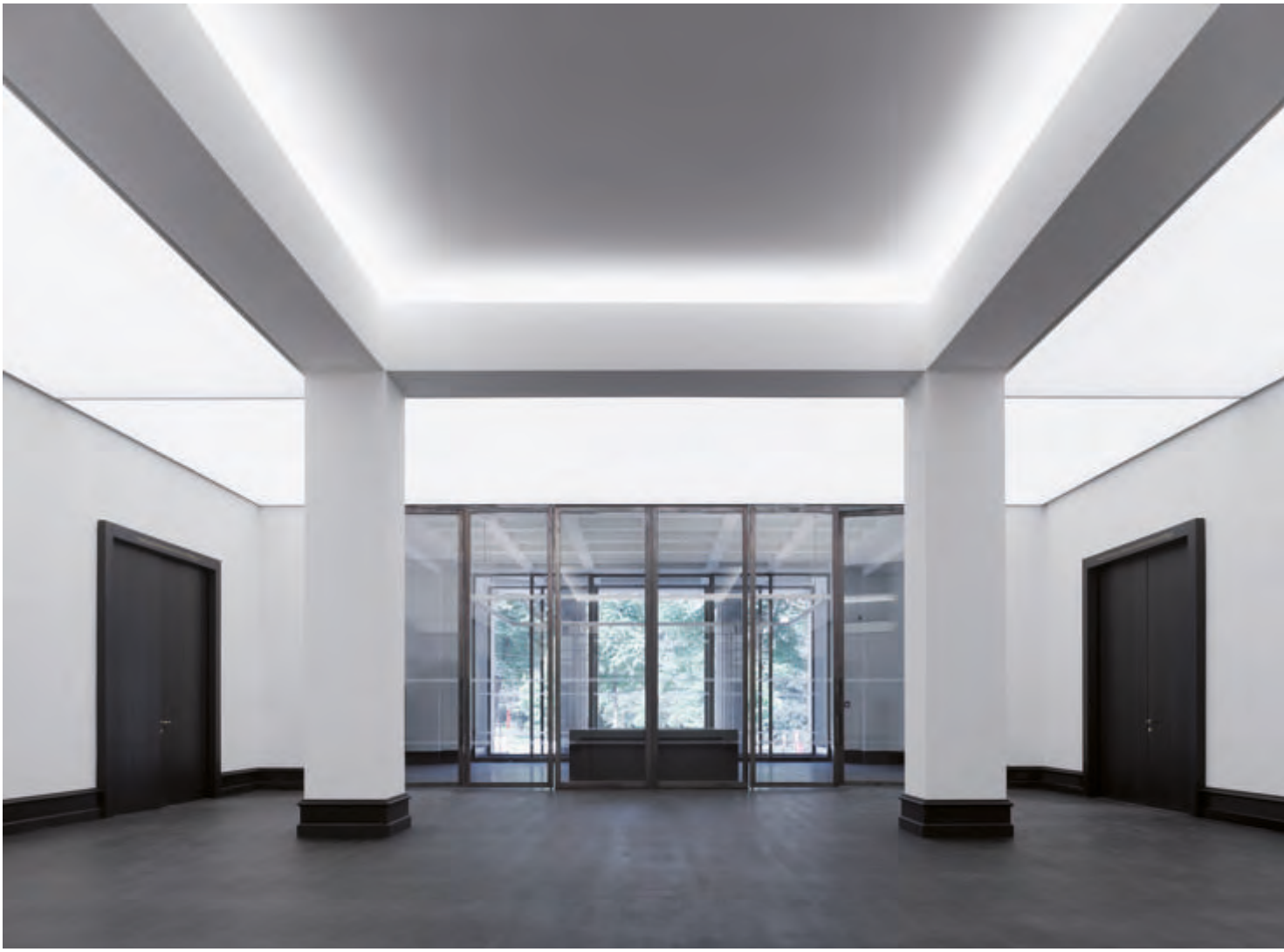
Wall connection by means of a shadow gap (approx. 15 - 20 mm), coloured in black*/white* using VoglDouble Layer Fleece in accordance with manufacturer's instructions.

Extra: Wall connection, with filled joint.

Wall connection by means of filled joint using VoglDouble Layer Fleece as separating tape in accordance with manufacturer's instructions.

* Delete as applicable





VoglFriestape-Set

Perfect Borders and Perimeters

Straight from the Roll

Perfectly simple frieze solutions

Ceiling friezes in record time

There are various ways of creating plain borders and perimeters for perforated plasterboard ceilings. They typically require intensive pre-planning and tedious time consuming work on site. Now there is an efficient, clean and safe solution: The VoglFriestape-Set. With this method, non-perforated frieze areas can be produced quickly and economically, saving a great deal of time and hassle.
The VoglFriestape-Set includes all accessories needed at the job site for making a frieze of any width. Just a few simple steps can produce a neat perimeter or border.

Benefits of the VoglFriestape-Set system:

The unique workmanship provides key advantages when creating frieze areas

- Quick, safe and clean workmanship
- No generation of dirt and dust
- Active sound absorption even with the frieze area
- Holes can be re-opened if required
- Filler cannot sink in, nor holes re-emerge

The VoglFriestape-Set includes the required material, tools and a detailed assembly instruction to ensure top quality workmanship and reliable results.

The right tools at the right time in exactly the right place.

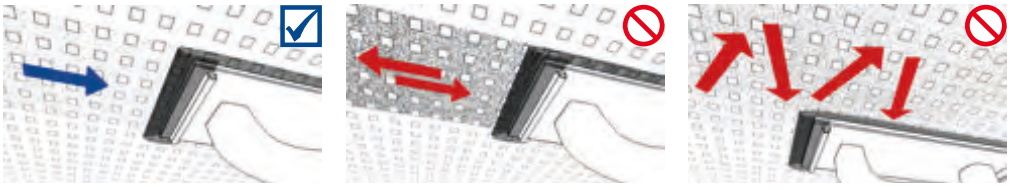
Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Note: On cardboard surfaces of special types of plasterboard (waterproofed, impregnated, with graphite content, with white pre-coating, etc.), test the suitability of the VoglFriestape-Set on site. Owing to the reduced absorption capacity of these cardboard bases, the VoglFriestape-Set may otherwise cause holes to show or bubbles to form.

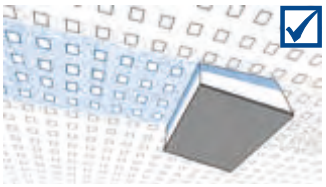
Check cardboard area; sand panel joints and screw holes!

Important! Failure to observe this may cause holes to show!

Unpack tape (remove foil bag) approx. 24 h prior to installation to allow special paper to acclimatise.



After sanding, wipe joint area with damp sponge to remove any dust or swarf.



General site conditions / Manufacturer's instructions:

- Always store liquid glue in ** frost free environment **
- Unpack tape (remove foil bag) approx. 24 h prior to installation to allow special paper to acclimatise.
- Stir liquid glue well before use!
- Working temperature should be at least +10 °C and job site temperature not below +5 °C
- Avoid sudden heating and cooling of rooms
- Relative humidity: 50 - 70 %
- Self-levelling, cement or asphalt screeds must be fully dried – no residual moisture
- Apply tape edge-to-edge only, i.e. no overlapping
- Use liquid glue only undiluted

Load lambskin roller with liquid glue and roll it downward over paint grid.

Vogl Liquid Glue = ready mix

Roll liquid glue onto frieze area, then apply tape (making sure perforation is completely covered) and press it down with lambskin roller. Once tape has dried, open any half-open holes and then close them with joint compound.

Different widths of tape can be combined without difficulty. However, make sure to lay tapes edge-to-edge. Under no circumstances should tapes be overlapped!

Re-load lambskin roller with liquid glue and roll it downwards over paint grid.

Vogl Liquid Glue = ready mix

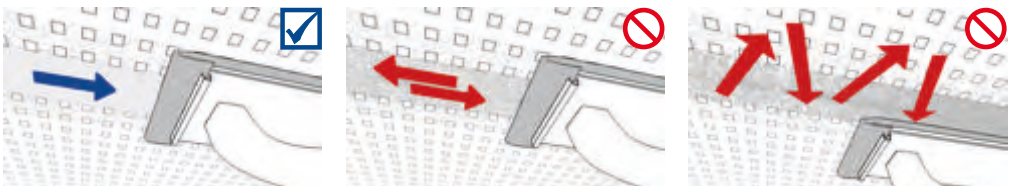
Surface treatment for painters (in accordance with ATV painting work DIN 18363):

- Only apply coating by roller; spray application is not permitted!
- Prior to application of paint coat, a primer should generally be applied in accordance with manufacturer's specifications
- Manufacturer's recommended drying times for both primer and finishing coat must be strictly observed
- Alkaline coatings are unsuitable for plasterboards
- 3 coats of paint must be applied (1 prime coat + 2 finishing coats), and recommended drying times adhered to
- Always consult system manufacturer‘s technical data sheets for primers and finishing coats

Apply another coat of liquid glue on frieze area, always working "wet on wet".

Drying time: Min. 12 h

If necessary, smooth glue texture on tape‘s visible surface by gently sanding – **do not cross sand**!



Once fully dry, any holes covered with tape can be re-opened using a sharp blade anytime.

Scope of delivery, VoglFriestape-Set:

Vogl Liquid Glue, Vogl Tape, stirring paddle, paint grid, lambskin roller, abrasive mesh, sanding paper, sponge.
VoglFriestape-Set is available in various tape widths (20 mm, 50 mm, 75 mm, 100 mm, 150 mm).

Note: VoglFriestape-Set is only recommended for hole sizes up to max. 20 mm.

VoglFriestape-Set		
Item number	**Item description**	**Tape dimensions in linear metres**
101748	VoglFriestape-Set 20 mm tape width 20 mm	2 rolls of tape 20 mm = 200 linm
101749	VoglFriestape-Set 50 mm tape width 50 mm	3 rolls of tape 50 mm = 150 linm
101750	VoglFriestape-Set 75 mm tape width 75 mm	2 rolls of tape 75 mm = 100 linm
101751	VoglFriestape-Set 100 mm tape width 100 mm	1 roll of tape 100 mm = 50 linm
101752	VoglFriestape-Set 150 mm tape width 150 mm	1 roll of tape 150 mm = 50 linm

Illustration shows item 101749

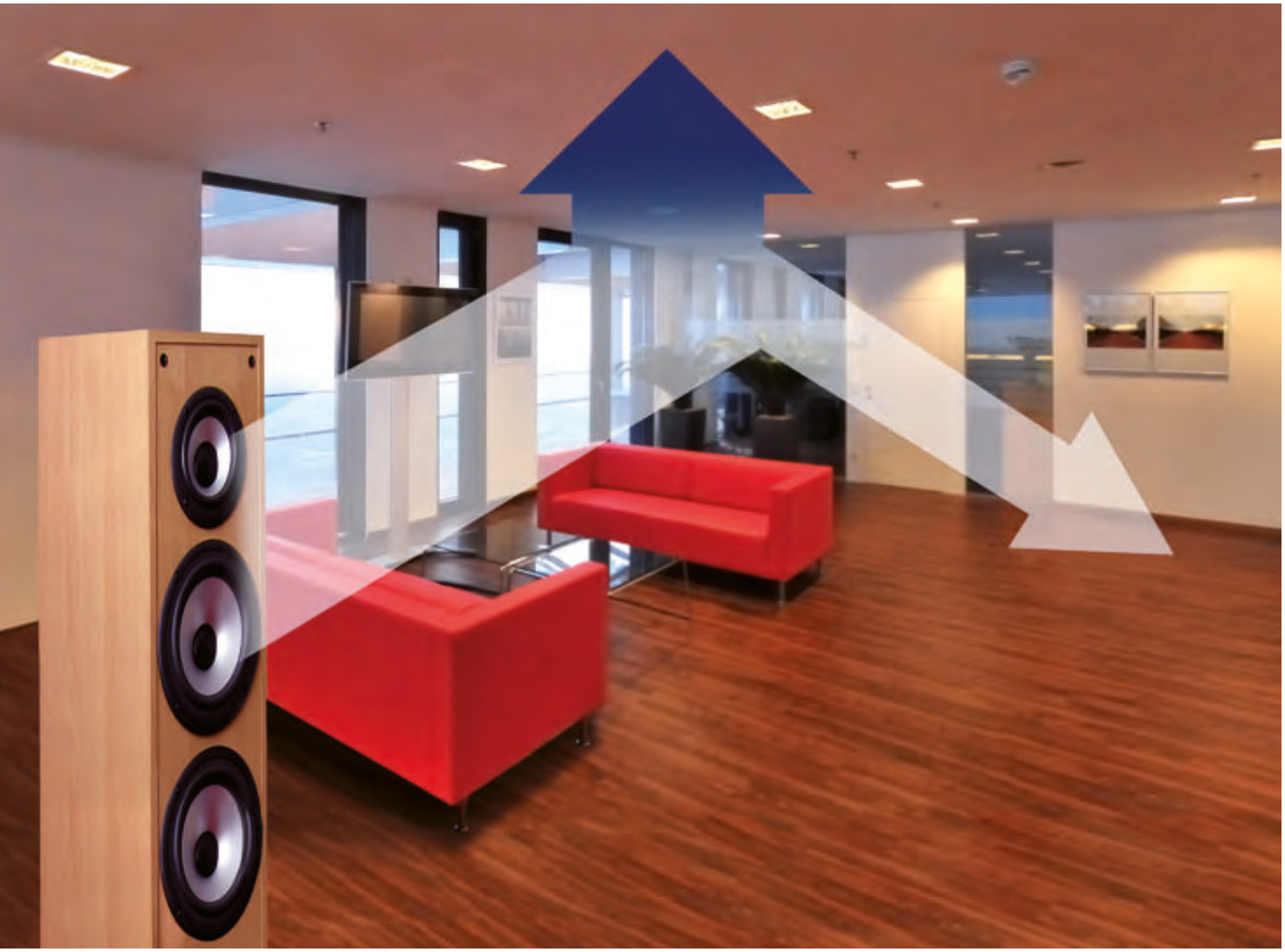
Extra: Creation of frieze area using VoglFriestape

For extra, create frieze area using VoglFriestape in VoglFriestape-Set, in accordance with manufacturer's instructions.

Frieze width:_____ mm

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

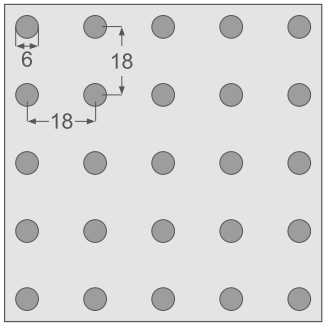
Acoustics and Sound Absorption



Design and Acoustics
Brought into Harmony

Sound absorption values

Acoustic Design Panel 6/18R



- Determination of sound absorption coefficient as per DIN EN ISO 354
- Rating of sound absorption coefficient as per DIN EN ISO 11654

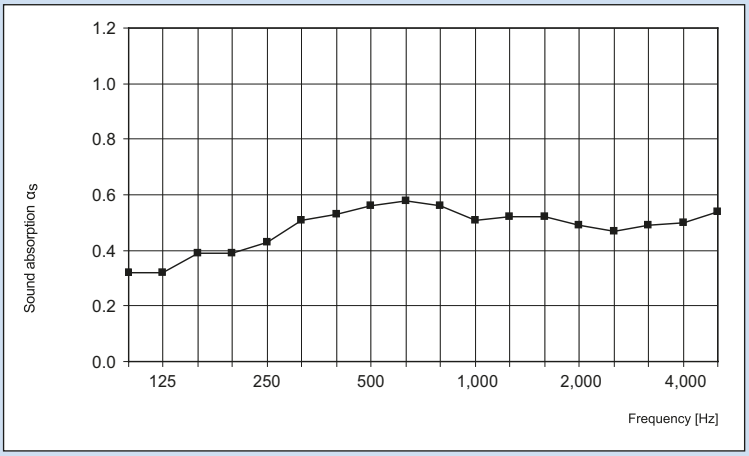
Panel thickness:	th = 12.5 mm
Mass per unit area:	9.10 kg/m²
Perforated area:	8.7 %
Fire rating as per DIN 4102:	A2, "non-flammable"
Fire behaviour as per DIN EN 13501-1:	A2-s1, d0

Back of panel laminated with
acoustic fleece AV 2010

Rated sound absorption coefficient α_w **= 0.55**
Sound absorption class **D**
(absorbing)

Single number rating as per ASTM C 423: SAA = 0.51
Classification as per ASTM E 1264: NRC = 0.50

Air gap: 200 mm



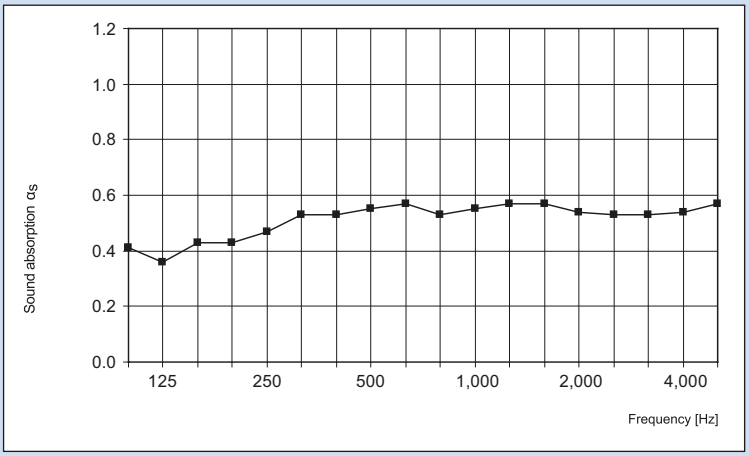
Octave centre frequency [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.35	0.45	0.55	0.55	0.50	0.50

Back of panel laminated with
acoustic fleece AV 2010
backed with glass wool
Mineral wool panel SSP 1, 30 mm

Rated sound absorption coefficient α_w **= 0.55**
Sound absorption class **D**
(absorbing)

Single number rating as per ASTM C 423: SAA = 0.53
Classification as per ASTM E 1264: NRC = 0.55

Air gap: 200 mm

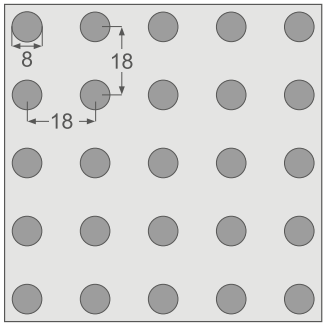


Octave centre frequency [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.40	0.50	0.55	0.55	0.55	0.55

Find all our product documentation in many languages, always up-to-date and available at any time, on our website under:
http://www.vogl-ceilingsystems.com/ under "Downloads"

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Acoustic Design Panel 8/18R



- Determination of sound absorption coefficient as per DIN EN ISO 354
- Rating of sound absorption coefficient as per DIN EN ISO 11654

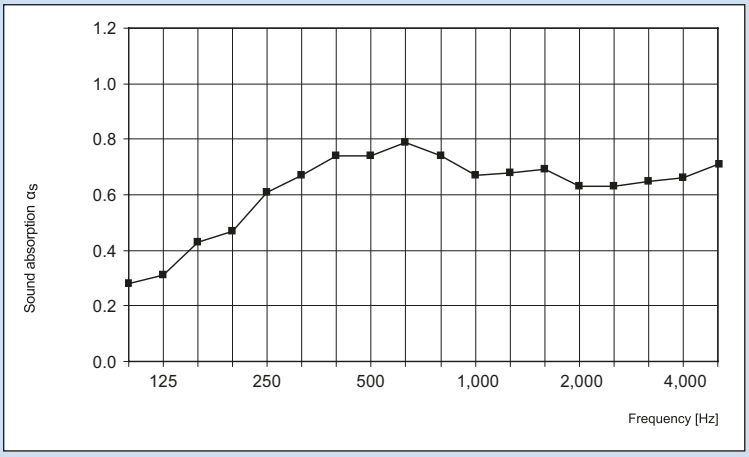
Panel thickness:	th = 12.5 mm
Mass per unit area:	8.50 kg/m²
Perforated area:	15.5 %
Fire rating as per DIN 4102:	A2, "non-flammable"
Fire behaviour as per DIN EN 13501-1:	A2-s1, d0

Back of panel laminated with
acoustic fleece AV 2010

Rated sound absorption coefficient α_w **= 0.70**
Sound absorption class **C**
(highly absorbing)

Single number rating as per ASTM C 423: SAA = 0.67
Classification as per ASTM E 1264: NRC = 0.65

Air gap: 200 mm



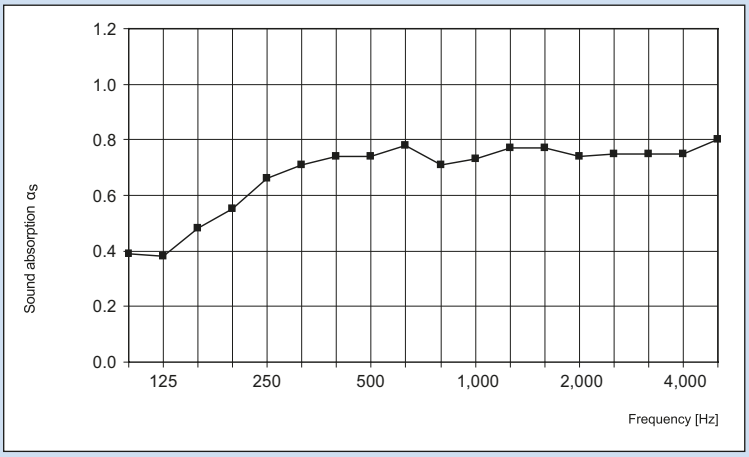
Octave centre frequency [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.35	0.60	0.75	0.70	0.65	0.65

Back of panel laminated with
acoustic fleece AV 2010
backed with glass wool
Mineral wool panel SSP 1, 30 mm

Rated sound absorption coefficient α_w **= 0.75**
Sound absorption class **C**
(highly absorbing)

Single number rating as per ASTM C 423: SAA = 0.72
Classification as per ASTM E 1264: NRC = 0.70

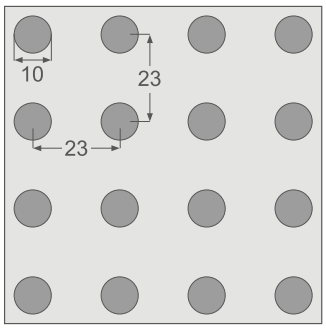
Air gap: 200 mm



Octave centre frequency [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.40	0.65	0.75	0.75	0.75	0.75

Find all our product documentation in many languages, always up-to-date and available at any time, on our website under:
http://www.vogl-ceilingsystems.com/ under "Downloads"

Acoustic Design Panel 10/23R



- Determination of sound absorption coefficient as per DIN EN ISO 354
- Rating of sound absorption coefficient as per DIN EN ISO 11654

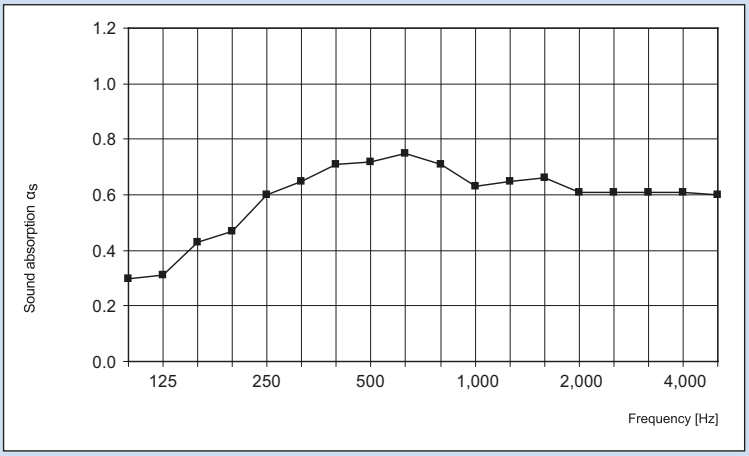
Panel thickness:	th = 12.5 mm
Mass per unit area:	8.50 kg/m²
Perforated area:	14.8 %
Fire rating as per DIN 4102:	A2, "non-flammable"
Fire behaviour as per DIN EN 13501-1:	A2-s1, d0

Back of panel laminated with
acoustic fleece AV 2010

Rated sound absorption coefficient α_w **= 0.70**
Sound absorption class **C**
(highly absorbing)

Single number rating as per ASTM C 423: SAA = 0.65
Classification as per ASTM E 1264: NRC = 0.65

Air gap: 200 mm



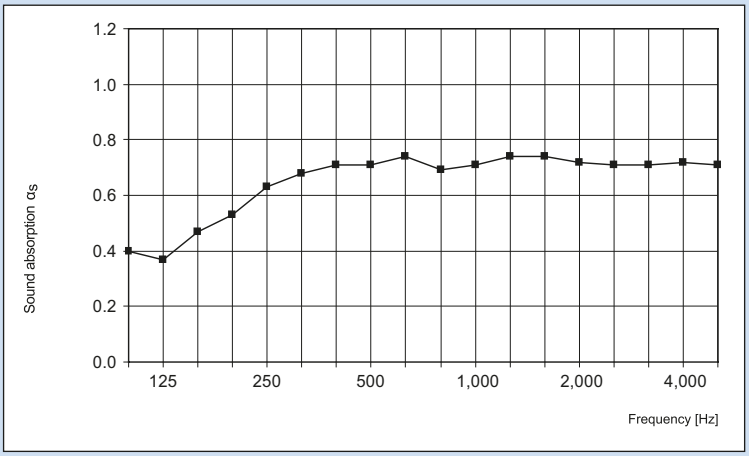
Octave centre frequency [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.35	0.55	0.75	0.65	0.65	0.60

Back of panel laminated with
acoustic fleece AV 2010
backed with glass wool
Mineral wool panel SSP 1, 30 mm

Rated sound absorption coefficient α_w **= 0.70**
Sound absorption class **C**
(highly absorbing)

Single number rating as per ASTM C 423: SAA = 0.69
Classification as per ASTM E 1264: NRC = 0.70

Air gap: 200 mm

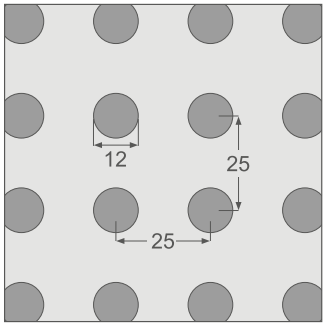


Octave centre frequency [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.40	0.60	0.70	0.70	0.70	0.70

Find all our product documentation in many languages, always up-to-date and available at any time, on our website under:
http://www.vogl-ceilingsystems.com/ under "Downloads"

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Acoustic Design Panel 12/25R



- Determination of sound absorption coefficient as per DIN EN ISO 354
- Rating of sound absorption coefficient as per DIN EN ISO 11654

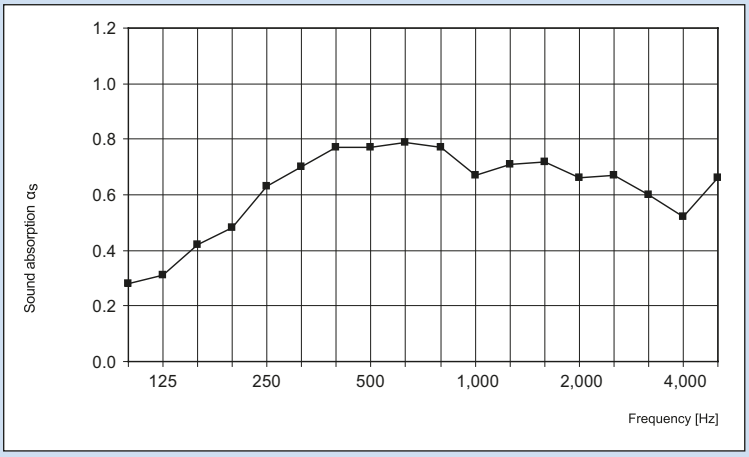
Panel thickness:	th = 12.5 mm
Mass per unit area:	8.20 kg/m²
Perforated area:	18.1 %
Fire rating as per DIN 4102:	A2, "non-flammable"
Fire behaviour as per DIN EN 13501-1:	A2-s1, d0

Back of panel laminated with
acoustic fleece AV 2010

Rated sound absorption coefficient α_w **= 0.70**
Sound absorption class **C**
(highly absorbing)

Single number rating as per ASTM C 423: SAA = 0.69
Classification as per ASTM E 1264: NRC = 0.70

Air gap: 200 mm



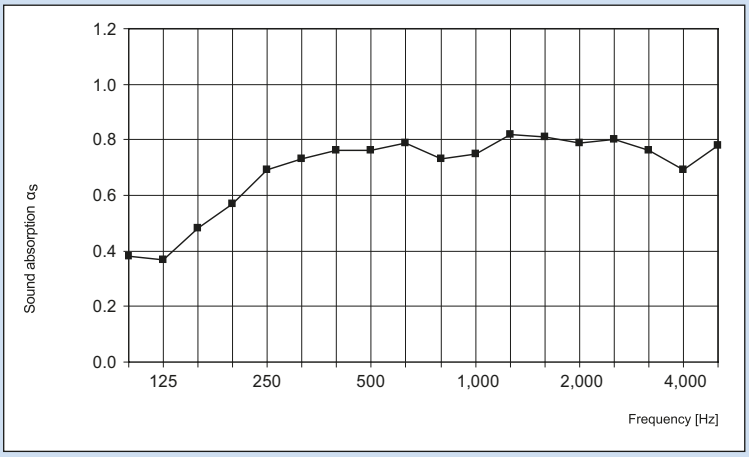
Octave centre frequency [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.35	0.60	0.80	0.70	0.70	0.60

Back of panel laminated with
acoustic fleece AV 2010
backed with glass wool
Mineral wool panel SSP 1, 30 mm

Rated sound absorption coefficient α_w **= 0.80**
Sound absorption class **B**
(extremely absorbing)

Single number rating as per ASTM C 423: SAA = 0.75
Classification as per ASTM E 1264: NRC = 0.75

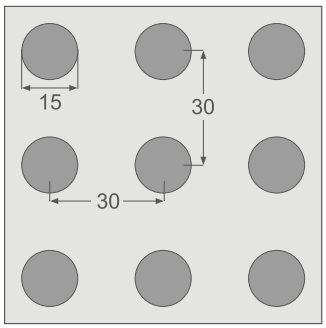
Air gap: 200 mm



Octave centre frequency [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.40	0.65	0.75	0.75	0.80	0.75

Find all our product documentation in many languages, always up-to-date and available at any time, on our website under:
http://www.vogl-ceilingsystems.com/ under "Downloads"

Acoustic Design Panel 15/30R



- Determination of sound absorption coefficient as per DIN EN ISO 354
- Rating of sound absorption coefficient as per DIN EN ISO 11654

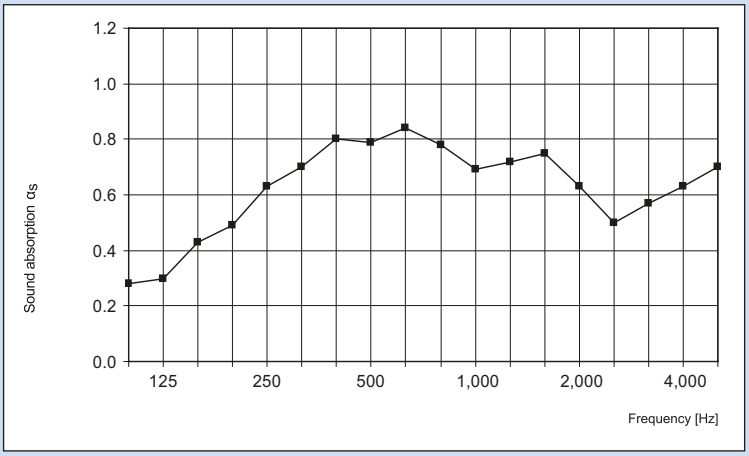
Panel thickness:	th = 12.5 mm
Mass per unit area:	8.00 kg/m²
Perforated area:	19.6 %
Fire rating as per DIN 4102:	A2, "non-flammable"
Fire behaviour as per DIN EN 13501-1:	A2-s1, d0

Back of panel laminated with
acoustic fleece AV 2010

Rated sound absorption coefficient α_w **= 0.75**
Sound absorption class **C**
(highly absorbing)

Single number rating as per ASTM C 423: SAA = 0.69
Classification as per ASTM E 1264: NRC = 0.70

Air gap: 200 mm



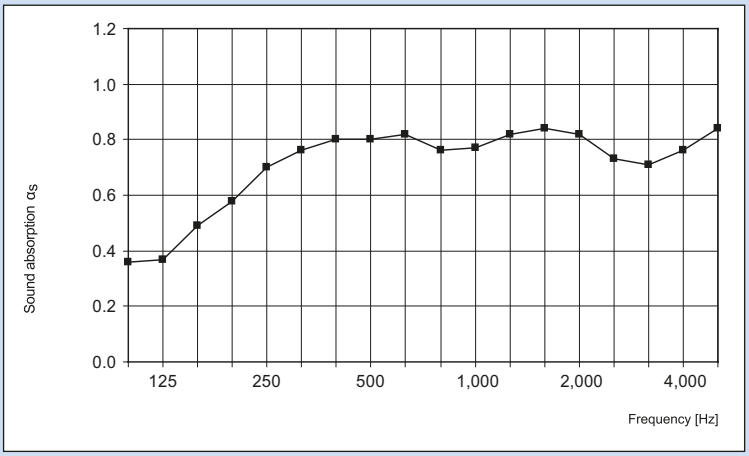
Octave centre frequency [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.35	0.60	0.80	0.75	0.65	0.65

Back of panel laminated with
acoustic fleece AV 2010
backed with glass wool
Mineral wool panel SSP 1, 30 mm

Rated sound absorption coefficient α_w **= 0.80**
Sound absorption class **B**
(extremely absorbing)

Single number rating as per ASTM C 423: SAA = 0.77
Classification as per ASTM E 1264: NRC = 0.75

Air gap: 200 mm

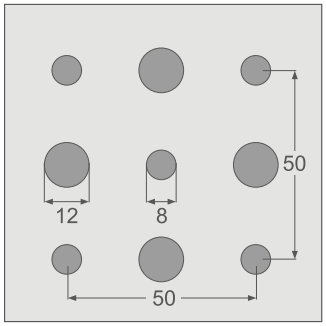


Octave centre frequency [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.40	0.70	0.80	0.80	0.80	0.75

Find all our product documentation in many languages, always up-to-date and available at any time, on our website under:
http://www.vogl-ceilingsystems.com/ under "Downloads"

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Acoustic Design Panel 8/12/50R



- Determination of sound absorption coefficient as per DIN EN ISO 354
- Rating of sound absorption coefficient as per DIN EN ISO 11654

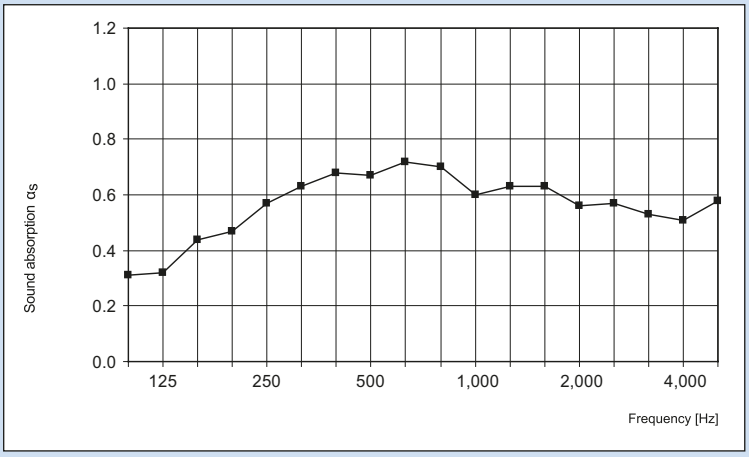
Panel thickness:	th = 12.5 mm
Mass per unit area:	8.70 kg/m²
Perforated area:	13.1 %
Fire rating as per DIN 4102:	A2, "non-flammable"
Fire behaviour as per DIN EN 13501-1:	A2-s1, d0

Back of panel laminated with
acoustic fleece AV 2010

Rated sound absorption coefficient α_w **= 0.65**
Sound absorption class **C**
(highly absorbing)

Single number rating as per ASTM C 423: SAA = 0.62
Classification as per ASTM E 1264: NRC = 0.60

Air gap: 200 mm



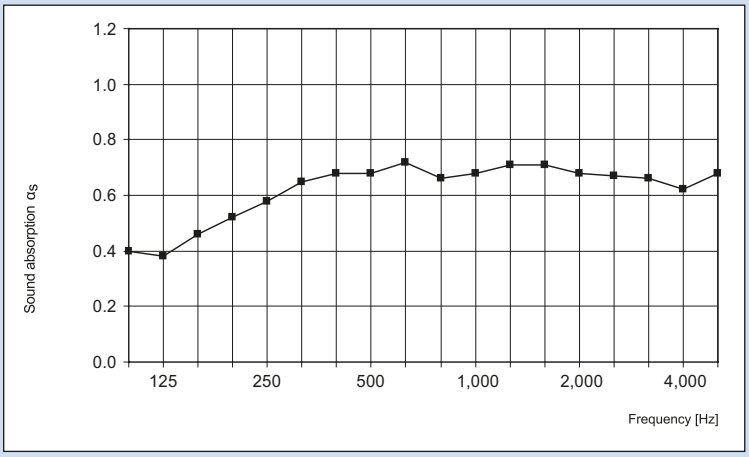
Octave centre frequency [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.35	0.55	0.70	0.65	0.60	0.55

Back of panel laminated with
acoustic fleece AV 2010
backed with glass wool
Mineral wool panel SSP 1, 30 mm

Rated sound absorption coefficient α_w **= 0.70**
Sound absorption class **C**
(highly absorbing)

Single number rating as per ASTM C 423: SAA = 0.66
Classification as per ASTM E 1264: NRC = 0.65

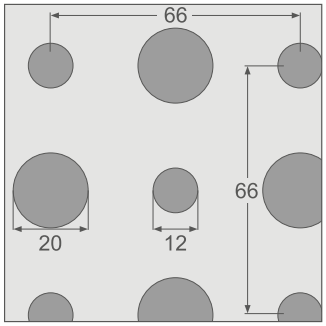
Air gap: 200 mm



Octave centre frequency [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.40	0.60	0.70	0.70	0.70	0.65

Find all our product documentation in many languages, always up-to-date and available at any time, on our website under:
http://www.vogl-ceilingsystems.com/ under "Downloads"

Acoustic Design Panel 12/20/66R



- Determination of sound absorption coefficient as per DIN EN ISO 354
- Rating of sound absorption coefficient as per DIN EN ISO 11654

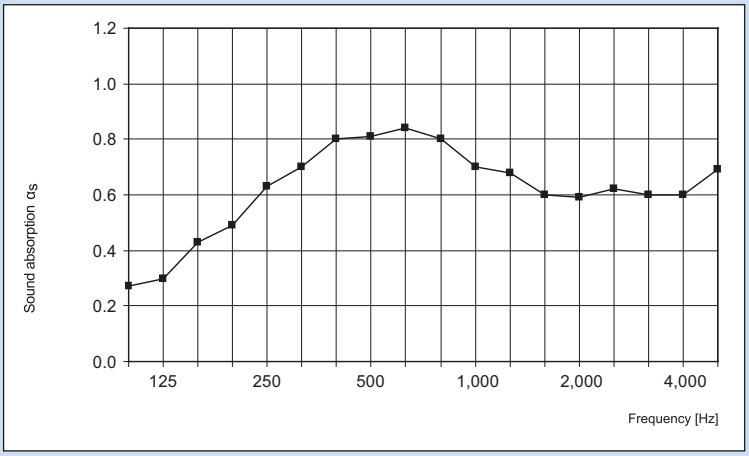
Panel thickness:	th = 12.5 mm
Mass per unit area:	8.00 kg/m²
Perforated area:	19.6 %
Fire rating as per DIN 4102:	A2, "non-flammable"
Fire behaviour as per DIN EN 13501-1:	A2-s1, d0

Back of panel laminated with
acoustic fleece AV 2010

Rated sound absorption coefficient **α_w = 0.70**
Sound absorption class **C**
(highly absorbing)

Single number rating as per ASTM C 423: SAA = 0.69
Classification as per ASTM E 1264: NRC = 0.70

Air gap: 200 mm



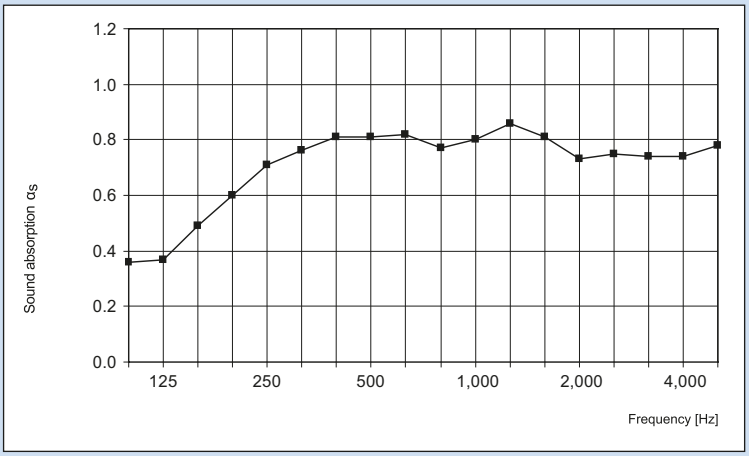
Octave centre frequency [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.35	0.60	0.80	0.75	0.60	0.65

Back of panel laminated with
acoustic fleece AV 2010
backed with glass wool
Mineral wool panel SSP 1, 30 mm

Rated sound absorption coefficient **α_w = 0.80**
Sound absorption class **B**
(extremely absorbing)

Single number rating as per ASTM C 423: SAA = 0.77
Classification as per ASTM E 1264: NRC = 0.75

Air gap: 200 mm

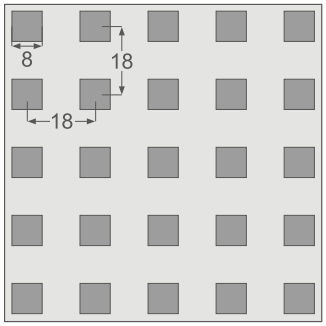


Octave centre frequency [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.40	0.70	0.80	0.80	0.75	0.75

Find all our product documentation in many languages, always up-to-date and available at any time, on our website under:
http://www.vogl-ceilingsystems.com/ under "Downloads"

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Acoustic Design Panel 8/18Q



- Determination of sound absorption coefficient as per DIN EN ISO 354
- Rating of sound absorption coefficient as per DIN EN ISO 11654

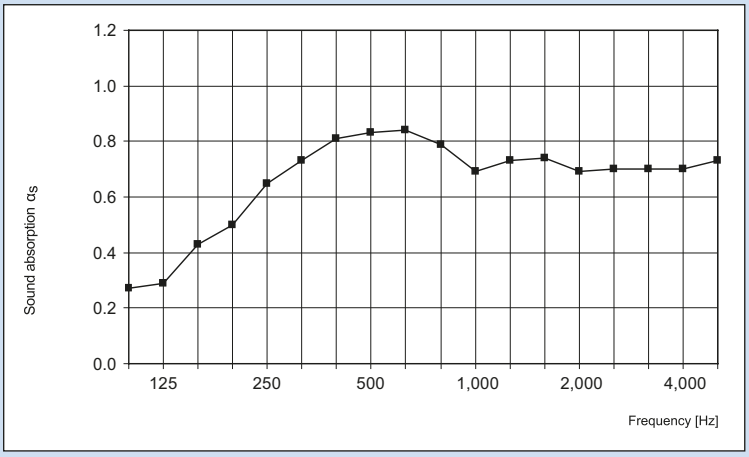
Panel thickness:	th = 12.5 mm
Mass per unit area:	8.00 kg/m²
Perforated area:	19.8 %
Fire rating as per DIN 4102:	A2, "non-flammable"
Fire behaviour as per DIN EN 13501-1:	A2-s1, d0

Back of panel laminated with
acoustic fleece AV 2010

Rated sound absorption coefficient α_w **= 0.75**
Sound absorption class **C**
(highly absorbing)

Single number rating as per ASTM C 423: SAA = 0.72
Classification as per ASTM E 1264: NRC = 0.70

Air gap: 200 mm



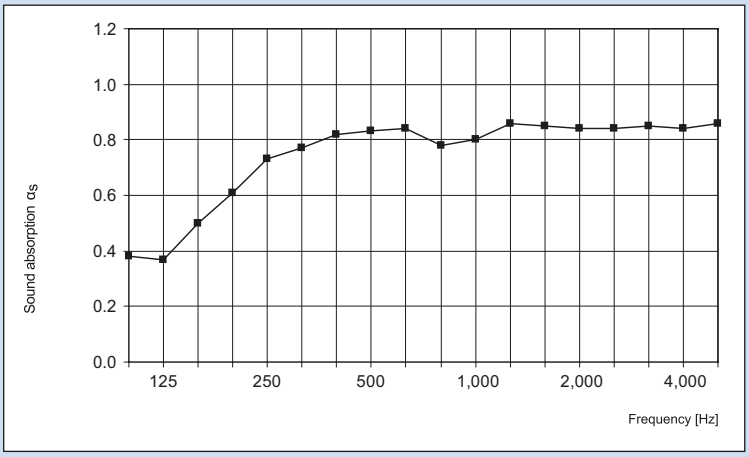
Octave centre frequency [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.35	0.65	0.85	0.75	0.70	0.70

Back of panel laminated with
acoustic fleece AV 2010
backed with glass wool
Mineral wool panel SSP 1, 30 mm

Rated sound absorption coefficient α_w **= 0.85**
Sound absorption class **B**
(extremely absorbing)

Single number rating as per ASTM C 423: SAA = 0.80
Classification as per ASTM E 1264: NRC = 0.80

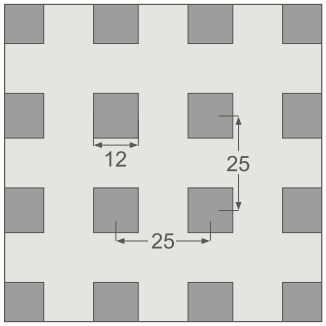
Air gap: 200 mm



Octave centre frequency [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.40	0.70	0.85	0.80	0.85	0.85

Find all our product documentation in many languages, always up-to-date and available at any time, on our website under:
http://www.vogl-ceilingsystems.com/ under "Downloads"

Acoustic Design Panel 12/25Q



- Determination of sound absorption coefficient as per DIN EN ISO 354
- Rating of sound absorption coefficient as per DIN EN ISO 11654

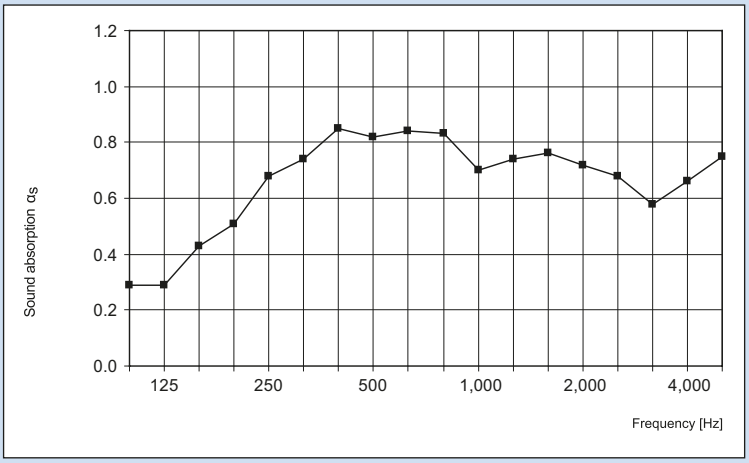
Panel thickness:	th = 12.5 mm
Mass per unit area:	7.70 kg/m²
Perforated area:	23.0 %
Fire rating as per DIN 4102:	A2, "non-flammable"
Fire behaviour as per DIN EN 13501-1:	A2-s1, d0

Back of panel laminated with
acoustic fleece AV 2010

Rated sound absorption coefficient **α_w = 0.75**
Sound absorption class **C**
(highly absorbing)

Single number rating as per ASTM C 423: SAA = 0.74
Classification as per ASTM E 1264: NRC = 0.75

Air gap: 200 mm



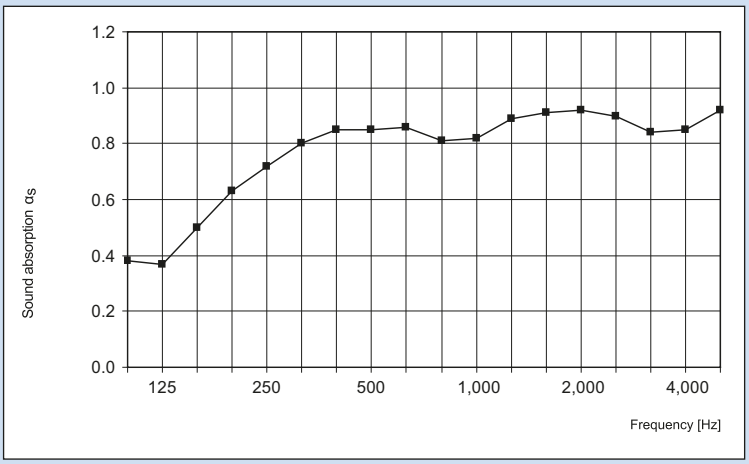
Octave centre frequency [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.35	0.65	0.85	0.75	0.70	0.65

Back of panel laminated with
acoustic fleece AV 2010
backed with glass wool
Mineral wool panel SSP 1, 30 mm

Rated sound absorption coefficient **α_w = 0.90**
Sound absorption class **A**
(extremely absorbing)

Single number rating as per ASTM C 423: SAA = 0.83
Classification as per ASTM E 1264: NRC = 0.85

Air gap: 200 mm

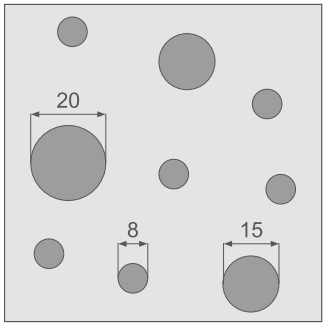


Octave centre frequency [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.40	0.70	0.85	0.85	0.90	0.85

Find all our product documentation in many languages, always up-to-date and available at any time, on our website under:
http://www.vogl-ceilingsystems.com/ under "Downloads"

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Acoustic Design Panel 8/15/20R



- Determination of sound absorption coefficient as per DIN EN ISO 354
- Rating of sound absorption coefficient as per DIN EN ISO 11654

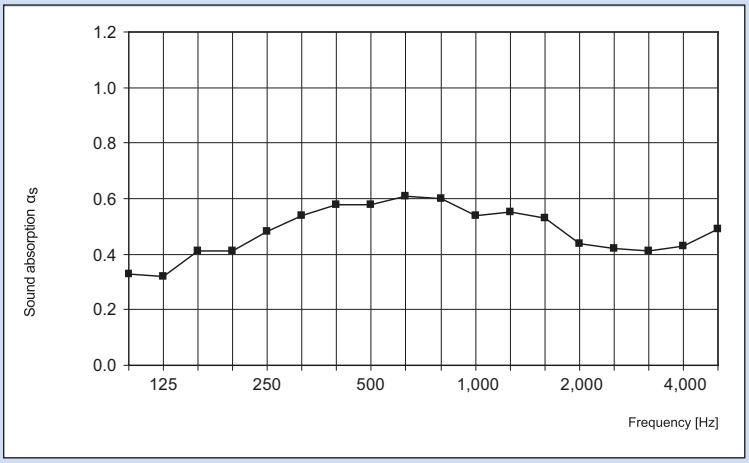
Panel thickness:	th = 12.5 mm
Mass per unit area:	9.10 kg/m²
Perforated area:	9.5 %
Fire rating as per DIN 4102:	A2, "non-flammable"
Fire behaviour as per DIN EN 13501-1:	A2-s1, d0

Back of panel laminated with
acoustic fleece AV 2010

Rated sound absorption coefficient α_w **= 0.55**
Sound absorption class **D**
(absorbing)

Single number rating as per ASTM C 423: SAA = 0.52
Classification as per ASTM E 1264: NRC = 0.50

Air gap: 200 mm



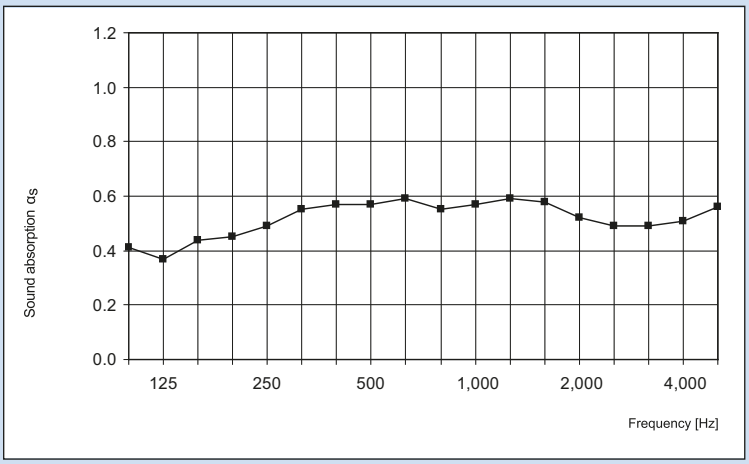
Octave centre frequency [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.35	0.50	0.60	0.55	0.45	0.45

Back of panel laminated with
acoustic fleece AV 2010
backed with glass wool
Mineral wool panel SSP 1, 30 mm

Rated sound absorption coefficient α_w **= 0.60**
Sound absorption class **C**
(highly absorbing)

Single number rating as per ASTM C 423: SAA = 0.54
Classification as per ASTM E 1264: NRC = 0.55

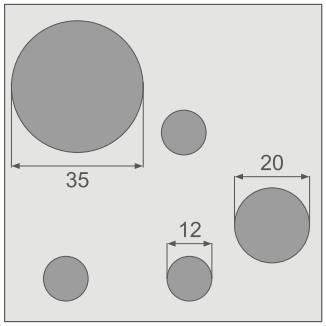
Air gap: 200 mm



Octave centre frequency [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.40	0.50	0.60	0.55	0.55	0.50

Find all our product documentation in many languages, always up-to-date and available at any time, on our website under:
http://www.vogl-ceilingsystems.com/ under "Downloads"

Acoustic Design Panel 12/20/35R



- Determination of sound absorption coefficient as per DIN EN ISO 354
- Rating of sound absorption coefficient as per DIN EN ISO 11654

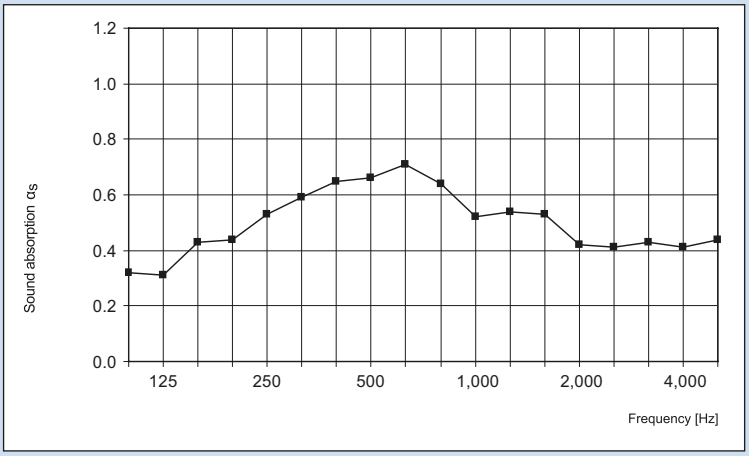
Panel thickness:	th = 12.5 mm
Mass per unit area:	8.90 kg/m²
Perforated area:	11.0 %
Fire rating as per DIN 4102:	A2, "non-flammable"
Fire behaviour as per DIN EN 13501-1:	A2-s1, d0

Back of panel laminated with
acoustic fleece AV 2010

Rated sound absorption coefficient **α_w = 0.55**
Sound absorption class **D**
(absorbing)

Single number rating as per ASTM C 423: SAA = 0.55
Classification as per ASTM E 1264: NRC = 0.55

Air gap: 200 mm



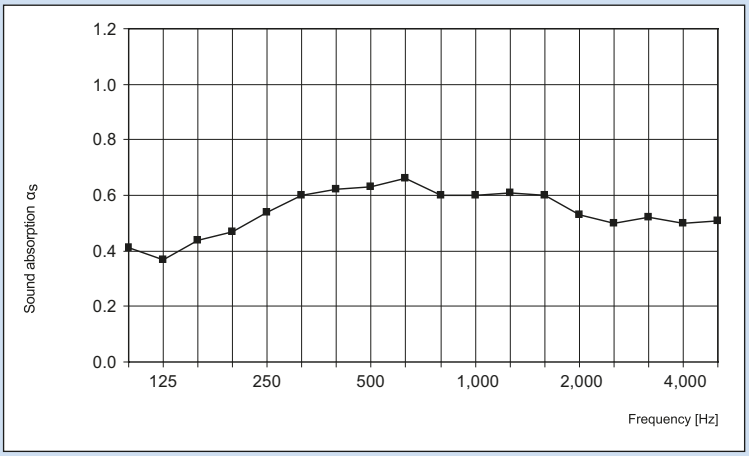
Octave centre frequency [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.35	0.50	0.65	0.55	0.45	0.45

Back of panel laminated with
acoustic fleece AV 2010
backed with glass wool
Mineral wool panel SSP 1, 30 mm

Rated sound absorption coefficient **α_w = 0.60**
Sound absorption class **C**
(highly absorbing)

Single number rating as per ASTM C 423: SAA = 0.58
Classification as per ASTM E 1264: NRC = 0.55

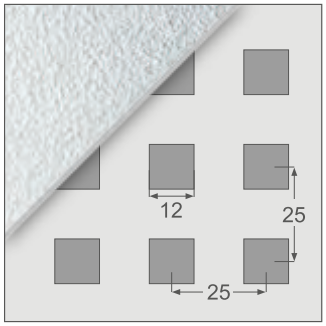
Air gap: 200 mm



Octave centre frequency [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.40	0.55	0.65	0.60	0.55	0.50

Find all our product documentation in many languages, always up-to-date and available at any time, on our website under:
http://www.vogl-ceilingsystems.com/ under "Downloads"

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com



- Determination of sound absorption coefficient as per DIN EN ISO 354
- Rating of sound absorption coefficient as per DIN EN ISO 11654

Panel thickness:	th = 12.5 mm
Mass per unit area:	7.7 kg/m²
Perforated area:	22.9 %
Fire rating as per DIN 4102:	A2, "non-flammable"
Fire behaviour as per DIN EN 13501-1:	A2-s1, d0

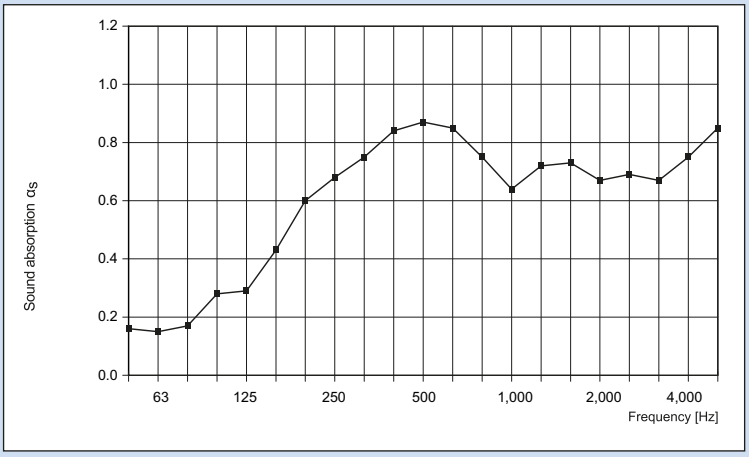
System structure: Wallpapered with plaster base fleece on site and finished with VoglToptec acoustic plaster Nano SF

Back of panel laminated with
acoustic fleece AV 2010

Rated sound absorption coefficient α_w **= 0.75**
Sound absorption class **C**
(highly absorbing)

Single number rating as per ASTM C 423: SAA = 0.73
Classification as per ASTM E 1264: NRC = 0.70

Air gap: 200 mm



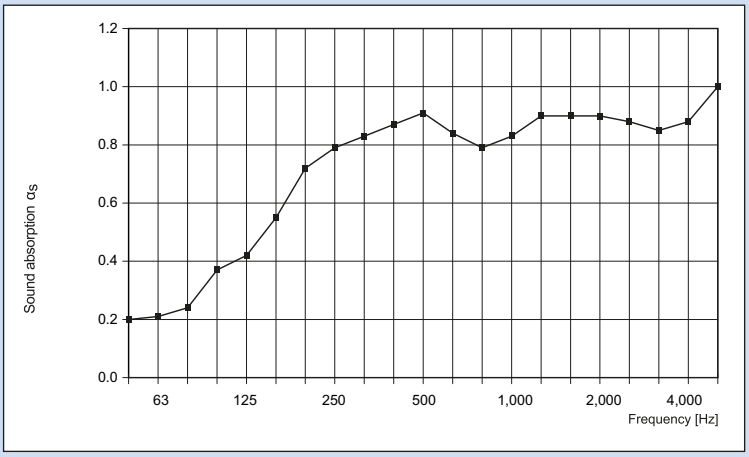
Octave centre frequency [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.35	0.70	0.85	0.70	0.70	0.75

Back of panel laminated with
acoustic fleece AV 2010+
Mineral wool panel SSP 1, 30 mm

Rated sound absorption coefficient α_w **= 0.90**
Sound absorption class **A**
(extremely absorbing)

Single number rating as per ASTM C 423: SAA = 0.85
Classification as per ASTM E 1264: NRC = 0.85

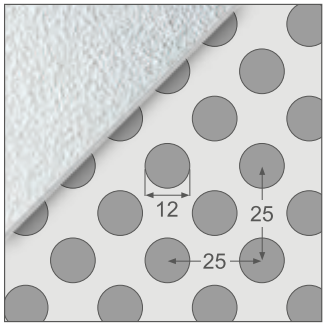
Air gap: 200 mm



Octave centre frequency [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.45	0.80	0.85	0.85	0.90	0.90

Find all our product documentation in many languages, always up-to-date and available at any time, on our website under:
http://www.vogl-ceilingsystems.com/ under "Downloads"

Ultracoustic Panel 12/25R DLV



- Determination of sound absorption coefficient as per DIN EN ISO 354
- Rating of sound absorption coefficient as per DIN EN ISO 11654

Panel thickness:	th = 12.5 mm
Mass per unit area:	6.5 kg/m²
Perforated area:	33.9 %
Fire rating as per DIN 4102:	A2, "non-flammable"
Fire behaviour as per DIN EN 13501-1:	A2-s1, d0

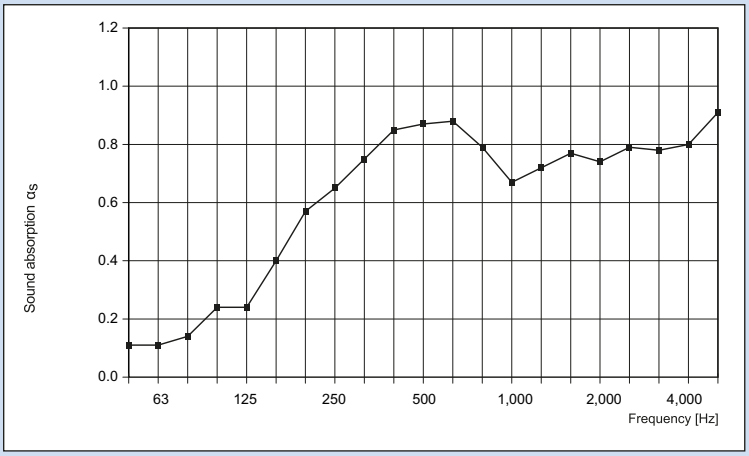
System structure: Wallpapered with plaster base fleece on site and finished with VoglToptec acoustic plaster Nano SF

Back of panel laminated with
acoustic fleece AV 2010

Rated sound absorption coefficient **α_w = 0.80**
Sound absorption class **B**
(extremely absorbing)

Single number rating as per ASTM C 423: SAA = 0.75
Classification as per ASTM E 1264: NRC = 0.75

Air gap: 200 mm



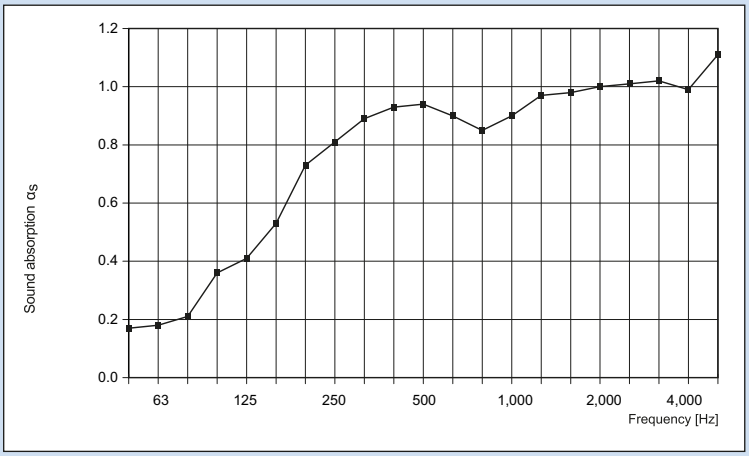
Octave centre frequency [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.30	0.65	0.85	0.75	0.75	0.85

Back of panel laminated with
acoustic fleece AV 2010+
Mineral wool panel SSP 1, 30 mm

Rated sound absorption coefficient **α_w = 0.95**
Sound absorption class **A**
(extremely absorbing)

Single number rating as per ASTM C 423: SAA = 0.91
Classification as per ASTM E 1264: NRC = 0.90

Air gap: 200 mm



Octave centre frequency [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.45	0.80	0.90	0.90	1.00	1.00

Find all our product documentation in many languages, always up-to-date and available at any time, on our website under:
http://www.vogl-ceilingsystems.com/ under "Downloads"

Vogl Deckensysteme GmbH
Germany
Industriestrasse 10
DE-91448 Emskirchen
Phone: +49 9104 825-0
Fax: +49 9104 825-250
info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

System Training

Our know-how for your result reliability

Inquiry

Vogl Deckensysteme GmbH · Industriestrasse 10 · DE-91448 Emskirchen

I am interested in the following event:

☐ **Acoustic plaster system VoglToptec – Applications and processing**

☐ **Framework for acoustic design ceilings ("perforated ceilings")**

☐ **Installation of acoustic design ceilings – Various joint systems**

☐ **Others** _____

Personal data

Date / stamp / signature

..... Company

..... Contact partner

..... Street, house no.

..... Postcode, town/city

..... Phone

..... E-mail

☐ Having a long journey, I would like to arrive the day before the training course and require accommodation for one night. Please send me some hotel addresses with your special rates.

☐ Some more colleagues / customers are interested. I expect to come with ..... people.

We are looking forward to your visit in Emskirchen! (Emskirchen is located 25 km to the northwest of Nuremberg)

You have any questions in advance? We are glad to assist you! Phone: +49 9104 825-100

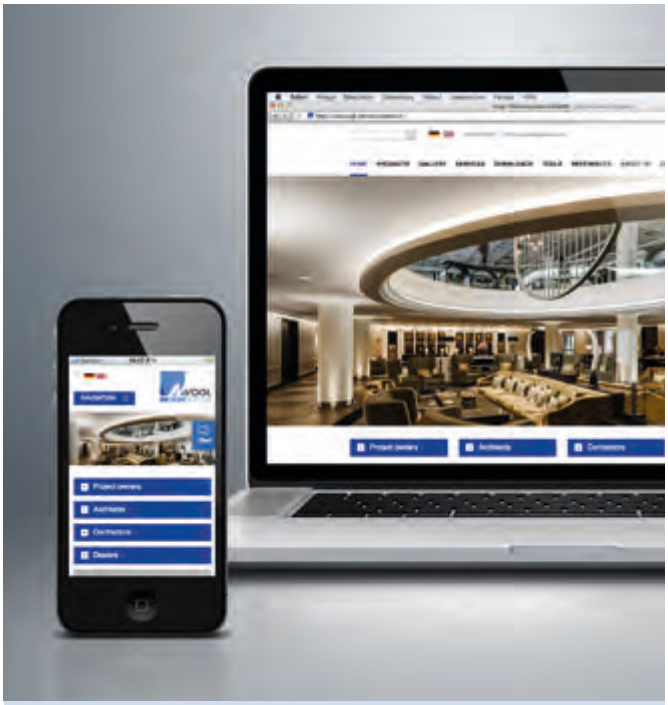
Index

Index

Picture credits

Page 1 photo: Andreas Molatta
Page 4 center left, photo: Janice O'Connell
Page 4 center right, photo: Donal Murphy
Page 4 bottom, photo: Nico Herzog
Page 6 photos: Vogl Deckensysteme GmbH
Page 7 top left, photo: Thilo Jaeckel
Page 7 top centre, photo: Uta Kellermann
Page 7 top right, photo: Donal Murphy
Page 7 centre left, photo: Torsten Elger
Page 7 centre centre, photo: Vogl Deckensysteme GmbH
Page 7 centre right, Rentex Wand- und Deckensysteme GmbH, photo: Ansorg GmbH
Page 7 bottom left, Rentex Wand- und Deckensysteme GmbH, photo: Damian Zimmermann
Page 7 bottom centre, photo: Vogl Deckensysteme GmbH
Page 7 bottom right, photo: Vogl Deckensysteme GmbH
Page 8 photos: Vogl Deckensysteme GmbH
Page 9 right picture column, 1st from top, photo: Nico Herzog
Page 9 right picture column, 2nd from top, photo: Torsten Elger
Page 9 centre, Rentex Wand- und Deckensysteme GmbH, photo: Jens Lyncker
Page 9 bottom left, photo: Donal Murphy
Page 9 bottom right, photo: Vogl Deckensysteme GmbH
Page 11 top centre, photo: Thilo Jaeckel
Page 11 top right, photo: Thilo Jaeckel
Page 11 centre left, photo: Vogl Deckensysteme GmbH
Page 11 centre centre, photo: Vogl Deckensysteme GmbH
Page 11 centre right, photo: Vogl Deckensysteme GmbH
Page 11 bottom left, photo: Werner Huthmacher
Page 11 bottom centre, photo: Vogl Deckensysteme GmbH
Page 11 bottom right, photo: Vogl Deckensysteme GmbH
Page 12 photo: Werner Huthmacher
Page 13 Rentex Wand- und Deckensysteme GmbH, photo: Jens Lyncker
Page 14 photo: Vogl Deckensysteme GmbH
Page 23 photo: Donal Murphy
Page 33 top, photo: Vogl Deckensysteme
Page 33 centre left, photo: Vogl Deckensysteme GmbH
Page 33 bottom left, photo: Michael Bogumil
Page 33 bottom right, photo: Vogl Deckensysteme GmbH
Page 44 top right, photo: Michael Godehardt
Page 44 centre right, photo: Donal Murphy
Page 44 bottom, photo: Zooey Braun
Page 46 photos: Vogl Deckensysteme GmbH
Page 47 photo: Thilo Jaeckel
Page 48 photos: Vogl Deckensysteme GmbH
Page 51 photos: Vogl Deckensysteme GmbH
Page 52 centre right, Rentex Wand- und Deckensysteme GmbH, photo: Damian Zimmermann
Page 52 bottom left, Rentex Wand- und Deckensysteme GmbH, photo: Jens Lyncker
Page 52 bottom right, photo: Hertha Hurnaus/Architektur: lakonis Architekten
Page 58 photo: Nico Herzog
Page 59 photo: Donal Murphy
Page 60 right picture column, 1st from top, photo: Donal Murphy
Page 60 right picture column, 2nd from top, photo: Karl Thomas
Page 60 centre left, photo: Vogl Deckensysteme GmbH
Page 60 centre right, photo: Angelo Kaunat
Page 60 bottom, photo: Vogl Deckensysteme GmbH
Page 63 photo: Thilo Jaeckel
Page 69 photo: Walter Henisch
Page 70 Rentex Wand- und Deckensysteme GmbH, photo: Damian Zimmermann
Page 71 photo: Thilo Jaeckel
Page 72 right picture column, 1st from top, photo: Thilo Jaeckel
Page 72 right picture column, 2nd from top, photo: Thilo Jaeckel
Page 72 centre side-by-side, photos: Vogl Deckensysteme GmbH
Page 72 bottom, photo: Thilo Jaeckel
Page 78 photo: Thilo Jaeckel
Page 79 photo: Donal Murphy
Page 80 right picture column, 1st from top, photo: Werner Huthmacher
Page 80 right picture column, 2nd from top, photo: Thilo Jaeckel
Page 80 left picture column, 2nd from bottom, photo: Vogl Deckensysteme GmbH
Page 80 bottom, photo: Donal Murphy
Page 83 photo: Thilo Jaeckel
Page 89 photo: Thilo Jaeckel
Page 90 top right, photo: Vogl Deckensysteme GmbH
Page 90 bottom right, photo: Thilo Jaeckel
Page 91 top, photo: Novy Gilbert
Page 91 bottom left, photo: Vogl Deckensysteme GmbH
Page 92 top right, photo: Kurt Kuball
Page 92 centre right, photo: Anke Müllerklein
Page 92 bottom left, photo: Donal Murphy
Page 92 bottom right, photo: Kurt Kuball
Page 99 photo: Kurt Kuball
Page 100 photos: Vogl Deckensysteme GmbH
Page 101 top, photo: Thilo Jaeckel
Page 101 bottom left, photo: Vogl Deckensysteme GmbH
Page 102 top right, photo: iStock.com, Entienou
Page 102 centre left, photo: Vogl Deckensysteme GmbH
Page 102 centre right, photo: iStock.com, Oksana Struk
Page 102 bottom, photos: Vogl Deckensysteme GmbH
Page 104 bottom left, photo: Vogl Deckensysteme GmbH
Page 104 bottom right, photo: Thilo Jaeckel
Page 107 photo: Vogl Deckensysteme GmbH
Page 108 photo: Thilo Jaeckel
Page 109 top left, photo: Thilo Jaeckel
Page 109 right picture column, 1st from top, photo: Vogl Deckensysteme GmbH
Page 109 right picture column, 2nd from top, photo: Vogl Deckensysteme GmbH
Page 109 bottom left, photo: Vogl Deckensysteme GmbH
Page 116 photo: Anke Müllerklein
Page 117 top, photo: Daniel Vieser
Page 117 bottom left, photo: Vogl Deckensysteme GmbH
Page 118 top left, photo: Vogl Deckensysteme GmbH
Page 118 top right, photo: Thilo Jaeckel
Page 118 centre right, photo: HG Esch
Page 118 bottom, photos: Vogl Deckensysteme GmbH
Page 119 photos: Vogl Deckensysteme GmbH
Page 123 top left, photo: Vogl Deckensysteme GmbH
Page 123 top right, photo: Thilo Jaeckel
Page 123 bottom left, photo: Vogl Deckensysteme GmbH
Page 123 bottom right, photo: Thilo Jaeckel
Page 127 centre left, photo: Vogl Deckensysteme GmbH
Page 127 centre right, photo: Thilo Jaeckel
Page 128 photo: Daniel Vieser
Page 129 top, photo: Werner Huthmacher
Page 130 photo, 1st from top: Vogl Deckensysteme GmbH
Page 130 photo, 2nd from top: Michael Bogumil
Page 131 right picture column, 1st from top, photo: Helmut Frohringer
Page 131 centre left, photo: Vogl Deckensysteme GmbH
Page 131 centre right, photo: Werner Huthmacher
Page 131 right picture column, 3rd from top, photo: Thilo Jaeckel
Page 134 bottom left, photo: Bettina Bauer
Page 134 bottom right, photo: Vogl Deckensysteme GmbH
Page 137 photo: Werner Huthmacher
Page 138 photos: Vogl Deckensysteme GmbH
Page 139 photos: Nadja Giese
Page 140 top right, photo: Nadja Giese
Page 140 centre right, photo: Thilo Jaeckel
Page 143 photo: Nadja Giese
Page 144 Rentex Wand- und Deckensysteme GmbH, photo: Jens Lyncker
Page 145 top, photo: Uta Kellermann
Page 145 bottom left, photo: Thilo Jaeckel
Page 146 top right, photo: Donal Murphy
Page 146 centre side-by-side, photos: Vogl Deckensysteme GmbH
Page 147 photo: Vogl Deckensysteme GmbH
Page 155 photo: Uta Kellermann
Page 156 photo: Angelo Kaunat
Page 157 photo: Thilo Jaeckel
Page 158 top right, photo: Zooey Braun
Page 158 centre left, photo: Michael Bogumil
Page 158 bottom, photos: Vogl Deckensysteme GmbH
Page 160 photo: Torsten Elger
Page 161 top, photo: Martina Draper
Page 161 bottom left, photo: Vogl Deckensysteme GmbH
Page 162 right picture column, 1st from top, photo: Jarek Matla
Page 162 right picture column, 2nd from top, photo: Walter Henisch
Page 162 right picture column, 3rd from top, photo: Vogl Deckensysteme GmbH
Page 162 centre left, photo: Vogl Deckensysteme GmbH
Page 162 bottom left, photo: Walter Henisch
Page 162 bottom right, photo: Vogl Deckensysteme GmbH
Page 164 top right, Rentex Wand- und Deckensysteme GmbH, photo: Thomas Mayer
Page 164 centre left, photo: Vogl Deckensysteme GmbH
Page 165 top right, Rentex Wand- und Deckensysteme GmbH, photo: Day & Light Lichtplanung GbR
Page 165 centre right, Rentex Wand- und Deckensysteme GmbH, photo: Ansorg GmbH
Page 165 bottom left, Rentex Wand- und Deckensysteme GmbH, photo: Jörg Hempel
Page 166 photo: Walter Henisch
Page 167 top, photo: Donal Murphy
Page 167 bottom left, photo: Vogl Deckensysteme GmbH
Page 168 photos: Vogl Deckensysteme GmbH
Page 170 photo: Stefan Müller
Page 171 top, photo: Donal Murphy
Page 171 bottom left, photo: Vogl Deckensysteme GmbH
Page 172 top right, photo: Kurt Kuball
Page 172 centre left, photo: Uta Kellermann
Page 172 centre right, photo: Walter Henisch
Page 172 bottom, photos: Vogl Deckensysteme GmbH
Page 174 photo: Thilo Jaeckel
Page 175 photos: Vogl Deckensysteme GmbH
Page 189 photo: Vogl Deckensysteme GmbH
Page 193 photo: Karl Thomas
Page 196 photo: Zooey Braun

Online Support



Use our multiple online resources:

- References
- Videos
- Picture gallery
- Flyers
- Newsletter
- Detailed designs
- Specifications
- Installation guides as PDF and animated

Online support, making your job easier:
www.vogl-ceilingsystems.com

General Terms and Conditions

§ 1 General

All contracts, deliveries and services are regulated exclusively by our following General Terms and Conditions. They apply with regard to merchants and companies as well as for all future business relationships without the need for explicit repeated reference thereto. Any contradictory General Terms and Conditions, in particular the customer's Conditions of Purchase, are only valid if confirmed by us.

§ 2 Offer and Acceptance, Service Description

Our offers are non-binding. The acceptance of a still valid offer leads to a binding order only if and when confirmed by us in writing. Our written confirmation of the order is exclusively relevant for the terms of the contract. Technical data and descriptions in our product information or marketing materials do not constitute a guaranty of quality or durability and particularly do not guarantee any specific properties. In case of sample-based sales, the Purchaser shall inspect the Goods immediately and report any complaints within a period of five days in writing. After this period has expired, the sample or specimen is deemed to be accepted and the desired contractual relationship comes into effect. Customised orders are only realised when the technical requirements put forth by the Purchaser are unambiguous and feasible and are confirmed by us in writing. Models and tools remain our property, even when the customer has paid for their construction.

§ 3 Prices, Terms of Payment and Default

The prices specified in the respective contract, particularly in the order form or the order confirmation, are valid plus statutory VAT (value added tax). If a price is not explicitly defined, our respective price lists at the time of the contract are valid. The weights and quantities defined by us determine the calculation of the prices unless the Purchaser objects immediately upon receipt of the Goods and proves the contrary. Packaging and transportation costs, and any costs of transportation insurance, are charged in addition.

Unless otherwise agreed, our invoices are payable within 14 days of receipt. After this period has expired, the Purchaser is automatically in default and has to pay interest from then on in the amount of currently five percentage points above the base rate of the European Central Bank.

Discounts are only given if separately agreed upon. The final invoice amount minus shipping costs, packaging costs and pallet value is discountable. If circumstances become known that give rise to justifiable doubt about the Purchaser's ability to pay, we have the right to freely choose to either withdraw from the contract or to demand prepayments or securities for receivables due or not yet due from the entire business relationship, and to make the obligation to deliver dependent on the provision of such securities.

§ 4 Transportation, Transfer of Risk, Place of Fulfilment

Place of fulfilment is our business location in Emskirchen, Germany. Unless otherwise agreed upon, delivery will be made in accordance with Incoterms 2010 EXW Emskirchen. The transfer of risk takes place as soon as the Goods have been provided ready for loading and collection, or, in case of collection, as soon as we have expressed readiness for dispatch in writing. However, not prior to the delivery date agreed upon. Transportation of goods takes place exclusively and in all cases at the Purchaser's risk, even if the delivery is carried out by us, be it with one of our own lorries or freight carriers or other commissioned third parties.

§ 5 Packaging

We charge for the pallets used for shipping. If the pallets are returned carriage paid in undamaged condition, we will accredit the same amount. If the goods are packaged in a different way than the usual standard based on the customer's wishes, these packaging costs will be charged separately.

§ 6 Time of Delivery and Performance

Specific delivery dates are generally not stipulated. Delivery dates indicated serve for orientation only. If in an individual case, a specific delivery date is stipulated, it shall be binding only subject to the timely receipt of the necessary materials and the functioning free of any defects of the finished product in quality control. In case of force majeure, we are relieved from our obligation of delivery until the force majeure has ended. We shall immediately inform the customer of such an event. The impossibility of sufficient delivery with raw materials, the impossibility of obtaining means of transportation as well as strikes and lockouts shall be equated with force majeure. Both partners will determine by mutual consent whether an additional delivery should be effected after the force majeure has ceased to compensate for the deliveries not fulfilled during the force majeure event. We generally do our best to meet agreed delivery dates, with the notification of readiness for dispatch qualifying as fulfilment of the delivery date. In case of force majeure and other unforeseeable circumstances beyond our control, particularly operational disruptions through fire, water and damage to production facilities and machinery caused thereby, non-delivery by our suppliers, disruptions due to lack of raw materials, power failure, strikes or lockouts, traffic disruptions or interventions by the authorities, the delivery time will be extended appropriately. If the delivery is postponed by more than a month, both we and the Purchaser have the right to withdraw from the contract with any claims for damages being excluded. In case of a performance default caused by us, the Purchaser has the right to withdraw if the delivery of Goods fails to take place within a reasonable grace period. In the event of delayed delivery, the Purchaser is entitled to claim compensation in the amount of 1 % of the delivery price per full week of delay, however a maximum of 15 % of the delivery price. Further claims for damages resulting from delay cannot be made.

§ 7 Purchaser Rights and Obligations, Retention of Ownership and Prohibition of Assignment

The Purchaser undertakes to collect the Goods declared ready for dispatch immediately and to pay within the term of payment in compliance with article 3. The Purchaser undertakes to immediately check the Goods for defects and to report any defects detected. The delivered Goods remain our property up to the full payment of all invoices currently due under the business relationship and shall thus be treated with care by the Purchaser and shall be sufficiently insured at replacement value, particularly against loss, damage and destruction as well as against theft, at the Purchaser's expense. The Purchaser assigns any claims arising from insurance policies to us, and we accept this assignment. For enforcing these claims, the Purchaser has to provide address and membership number for the respective insurance. The Purchaser is not permitted to pledge the Goods in our ownership nor to transfer title to the Goods by way of security. Processing of the Goods prior to payment is only allowed upon our express prior consent. Any claims resulting from a resale of the Goods delivered by us are assigned to us, and we accept this assignment. For enforcing these claims, the Purchaser has to provide name and address of his customer. Attachments and any other third-party interventions shall be brought to our attention immediately so that we can exercise our rights arising from the reservation of title. Even through processing, Goods under our retention of title do not become the property or the co-property of the Purchaser. The conclusion of a contract shall by no means constitute our renunciation of any trademark rights and industrial property rights we may have.

§ 8 Warranty and Compensation

We are obligated by the contract to provide the Goods free from material defects and defects of title. The Goods are free from defects when they possess the agreed quality or are suitable for common use and have a quality that is usual amongst goods of the same nature and that can be expected by the Purchaser from this type of goods. Minor deviations in the product properties, in particular minor differences in colour and texture as well as insignificant deviations in length, width and thickness of the material delivered, are not considered defects. If the Goods do not have these properties, the Purchaser can expect subsequent fulfilment within the warranty period, provided that he has complied with his obligation of immediate inspection and notification of defects. It is our decision whether we remedy or deliver replacement Goods. If this is impossible or too expensive, i.e. possible only on the basis of disproportionately high costs, we can refuse subsequent fulfilment. In this case, the Purchaser may withdraw from the contract or, if he keeps the defective Goods, demand an appropriate price discount. Here, the value of the Goods in a state free of defects and the significance of the defect for the fulfilment of the contractually intended results need to be specifically taken into consideration. If the Purchaser withdraws from the contract without any justifying cause, he has to pay lump-sum damages of 30 % of the value of the Goods due to breach of contract unless the Purchaser can prove a minor damage. If our damage is verifiably greater, we may demand higher compensation of damages. The warranty period is one year, or five years in the case of a building and for a product that was used in conformity with its customary manner of utilization and was the cause of the building's defectiveness.

§ 9 Liability

Compensation claims for damages and expenses of the Purchaser are excluded regardless of their legal basis, but especially on account of breach of responsibilities deriving from the contractual obligation or from impermissible acts. This does not apply in the case of acceptance of a guarantee or a procurement risk. Nor does this apply where liability is legally mandated, such as under the Product Liability Act, in cases of premeditation or gross negligence, due to injury to life, body or health, or violation of essential contractual obligations. However, a damage claim for a breach of material contractual duties shall be limited to foreseeable damages typical of the contract, unless gross negligence exists, or the liability covers injury to life, body or health. The above rulings do not constitute any change in the burden of proof to the disadvantage of the Purchaser.

§ 10 Instruction / Product Surveillance

The Purchaser is obliged to carefully observe the product instructions issued by us and to forward them to any downstream users and/or customers with a special advice note. If the Purchaser fails to comply with this obligation, and if this failure leads to product or producer liability claims against us, he shall indemnify us from any such claims by internal arrangement; if circumstances for which we are responsible have been contributory, the indemnification shall be proportionate to the cause. The Purchaser is obliged to observe the products furnished and their practical application. This shall also apply after effected resale. The obligation to product observation shall in particular relate to destructive characteristics of the product which are still unknown, or in relation to use or consequences of use which might impact damages. We must be informed immediately of any knowledge gained.

§ 11 Component Suppliers

We are entitled to appoint third parties for the fulfilment of the contract. If the delivery contains merchandise from third parties, we are not obliged to inspect this merchandise above and beyond the normal incoming goods inspection. We shall not be held responsible for any fault on behalf of the merchandise manufacturer. Any third-party advertising promises do not constitute a quality agreement.

§ 12 Time of Limitation for Claims

Purchaser claims due to services rendered in breach of our duty, including compensation claims and claims for replacement of futile expenditures, expire a year after delivery. Exempted from this are claims for damages according to the product liability law and damages in context with the lack of assured properties; these claims expire three years after delivery.

§ 13 Place of Jurisdiction, Applicable Law

Exclusive place of jurisdiction for all claims resulting from the contractual agreement is the court in charge of our company's headquarters. The law of the Federal Republic of Germany is exclusively applicable; the regulations about the international purchase of Goods (CISG) and of international civil law are expressly excluded.

§ 14 Technical Consulting, Information, Training

Our technical information, suggestions and consultative services are only binding if they are carried out in relation to a specific project and in writing. Furthermore, our specifications and guidelines related to the technical implementations apply.

§ 15 Final Clause, Severability Clause

Additional oral agreements besides the written contracts have not been made. Any changes and amendments require the written form. In case single provisions of these general terms and conditions should be invalid as a whole or in part, the validity of the remaining provisions are not affected. The parties undertake to replace the ineffective provision or provision requiring supplementation or interpretation with a new provision which best corresponds to the intended economic purpose.

Status: 11/2015

Vogl Deckensysteme GmbH

Industriestrasse 10
DE-91448 Emskirchen

Phone +49 9104 825-0
Fax +49 9104 825-250

info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

Vogl Deckensysteme GmbH

Industriestrasse 10
DE-91448 Emskirchen

Phone +49 9104 825-0
Fax +49 9104 825-250

info@vogl-ceilingsystems.com
www.vogl-ceilingsystems.com

103412