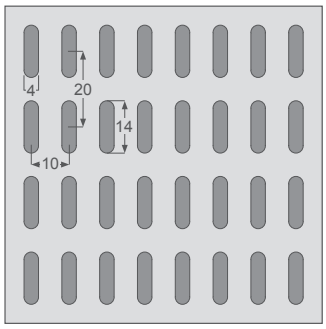
Ceiling Tiles

Product data sheet 243

Sound absorption structure 200 mm

Tile 4/14/10 oval



- 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:	approx. 8.0 kg/m²
Perforated area:	19.9 - 24.0 % (*)
Fire behaviour as per DIN EN 13501-1:	A2-s1, d0

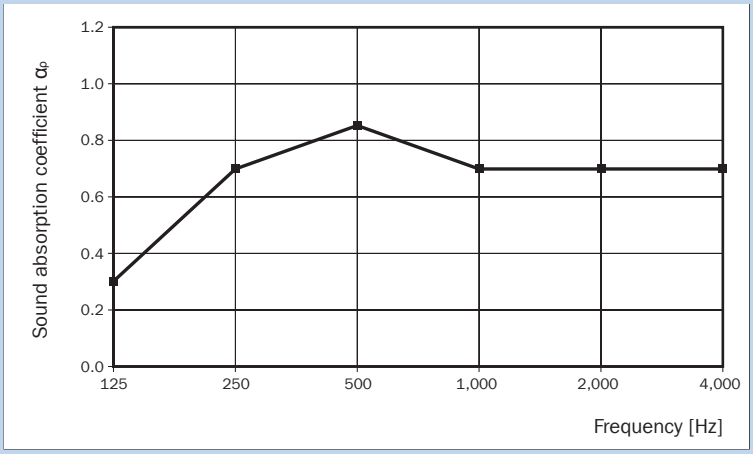
(*) = varies depending on size and edge type

Back of panel laminated with
acoustic fleece AV 2010

Rated sound absorption coefficient **α_w = 0.60 (LM)**
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



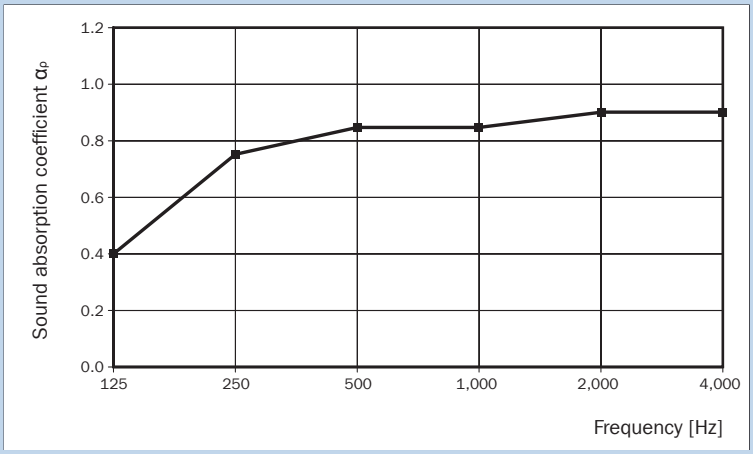
Octave centre frequency [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.30	0.70	0.85	0.70	0.70	0.70

Back of panel laminated with
acoustic fleece AV 2010
Backed with mineral 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	0.75	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"