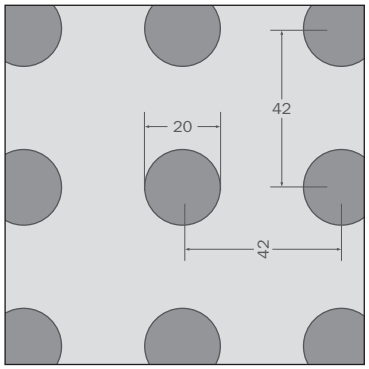
Acoustic Design Ceilings

Product data sheet 240

Sound absorption

Acoustic Design Panel 20/42R (round)



- Sound Absorption Value defined in accordance with DIN EN ISO 354
- Sound Absorption evaluated in accordance with DIN EN ISO 11654

Panel thickness:	th = 12.5 mm
Mass per unit area:	8.20 kg/m²
Perforated area:	17.8 %
Fire behaviour as per DIN EN 13501-1:	A2-s1, d0

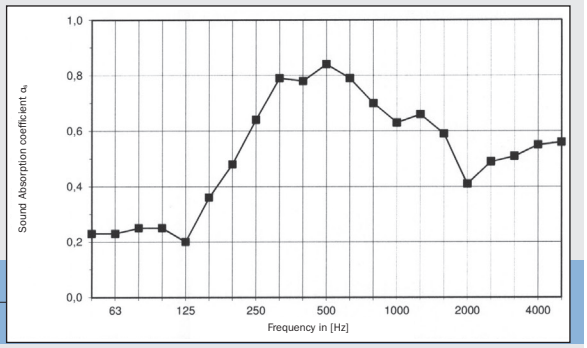
Back of panel laminated with
acoustic fleece AV 2010

Sound absorption α_w **= 0.60 (L)**
Sound absorbing classification **C**

Single number rating acc. ASTM C 423: SAA = 0.65
Classification acc. ASTM E 1264: NRC = 0.65

Ceiling void: 200 mm

Frequency in [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.25	0.65	0.80	0.65	0.50	0.55



Back of panel laminated with
acoustic fleece AV 2010 +
Glass wool sound protection board SSP 1, 30 mm

Sound absorption α_w **= 0.75**
Sound absorbing classification **C**

Single number rating acc. ASTM C 423: SAA = 0.76
Classification acc. ASTM E 1264: NRC = 0.80

Ceiling void: 200 mm

Frequency in [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.35	0.70	0.80	0.80	0.70	0.65