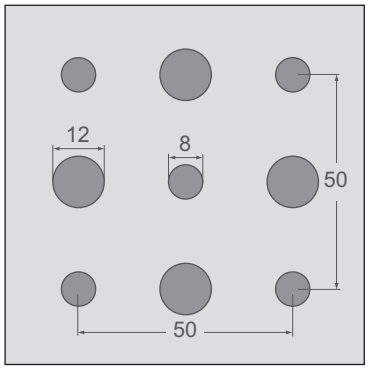
Acoustic Design Boards

Product Data Sheet 220

Sound Absorption 100 mm / 400 mm

Acoustic Design Board 8/12/50R (round)



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

Thickness of the Board:	d = 12,5 mm
Density:	8,70 kg/m²
Perforated Area:	13,1 %
Building Material Classification according DIN 4102:	A2, “non combustible”
Fire performance according DIN EN 13501:	A2-s1, d0

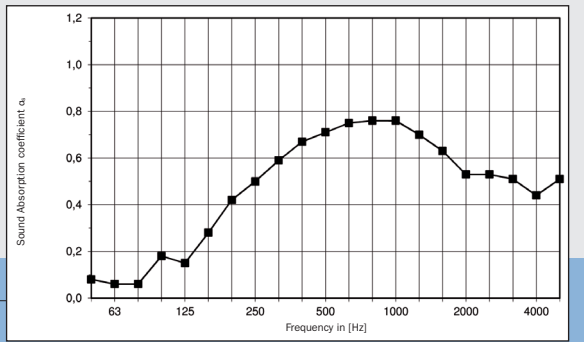
Back of tile laminated with
Acoustic fleece AV 2010

Sound Absorption α_w **= 0,60**
Sound Absorbing Classification **C**

Single number rating acc. ASTM C 423: SAA = 0,63
Classification acc. ASTM E 1264: NRC = 0,65

Ceiling Void: 100 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_p	0,20	0,50	0,70	0,75	0,55	0,50



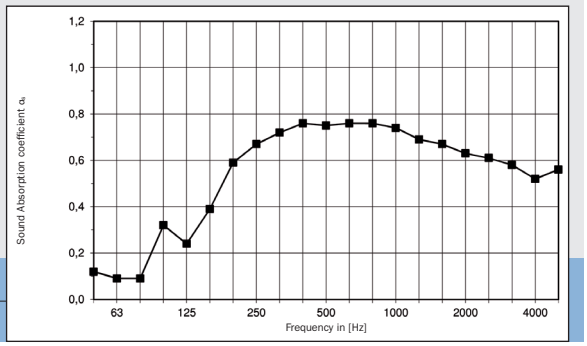
Back of tile laminated with
Acoustic fleece AV 2010 +
Glass wool sound protection board SSP 1, 30 mm

Sound Absorption α_w **= 0,70**
Sound Absorbing Classification **C**

Single number rating acc. ASTM C 423: SAA = 0,70
Classification acc. ASTM E 1264: NRC = 0,70

Ceiling Void: 100 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_p	0,30	0,65	0,75	0,75	0,65	0,55



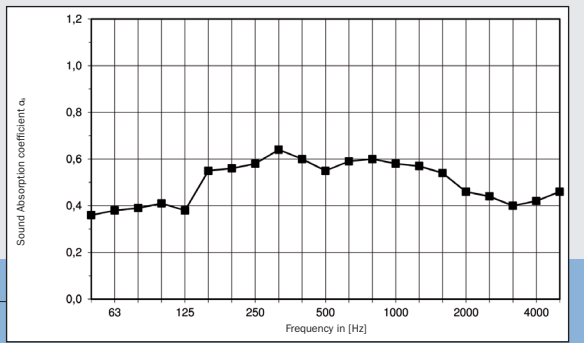
Back of tile laminated with
Acoustic fleece AV 2010

Sound Absorption α_w **= 0,55 (L)**
Sound Absorbing Classification **D**

Single number rating acc. ASTM C 423: SAA = 0,55
Classification acc. ASTM E 1264: NRC = 0,55

Ceiling Void: 400 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_p	0,45	0,60	0,60	0,60	0,50	0,45



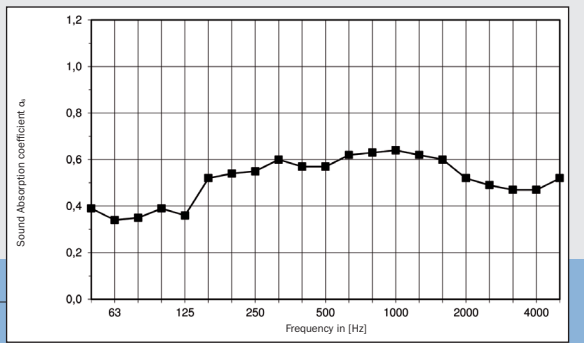
Back of tile laminated with
Acoustic fleece AV 2010 +
Glass wool sound protection board SSP 1, 30 mm

Sound Absorption α_w **= 0,60**
Sound Absorbing Classification **C**

Single number rating acc. ASTM C 423: SAA = 0,57
Classification acc. ASTM E 1264: NRC = 0,55

Ceiling Void: 400 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_p	0,40	0,55	0,60	0,65	0,55	0,50



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