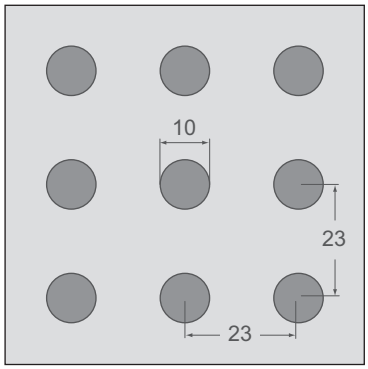
Acoustic Design Boards

Product Data Sheet 217

Sound Absorption 100 mm / 400 mm

Acoustic Design Board 10/23R (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:	8,50 kg/m²
Perforated Area:	14,8 %
Building Material Classification according DIN 4102:	A2, “non combustible”
Fire performance according DIN EN 13501:	A2-s1, d0

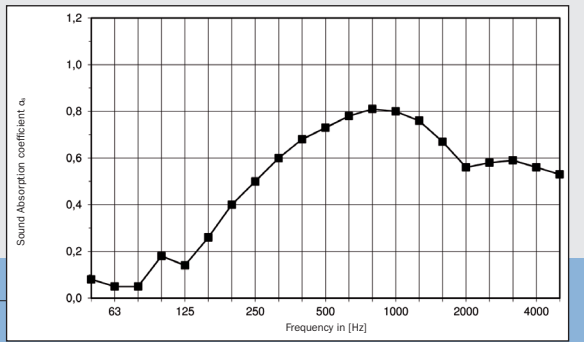
Back of tile laminated with
Acoustic fleece AV 2010

Sound Absorption α_w **= 0,65**
Sound Absorbing Classification **C**

Single number rating acc. ASTM C 423: SAA = 0,65
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	0,75	0,80	0,60	0,55



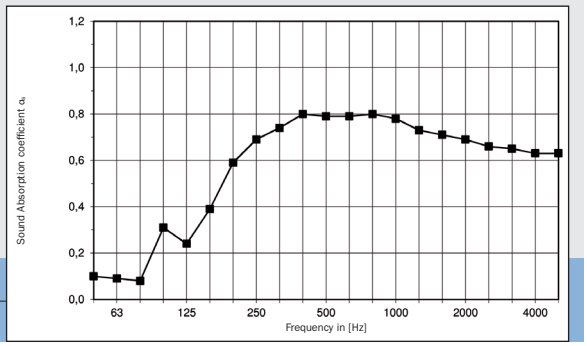
Back of tile laminated with
Acoustic fleece AV 2010 +
Glass wool sound protection board SSP 1, 30 mm

Sound Absorption α_w **= 0,75**
Sound Absorbing Classification **C**

Single number rating acc. ASTM C 423: SAA = 0,73
Classification acc. ASTM E 1264: NRC = 0,75

Ceiling Void: 100 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_p	0,30	0,65	0,80	0,75	0,70	0,65



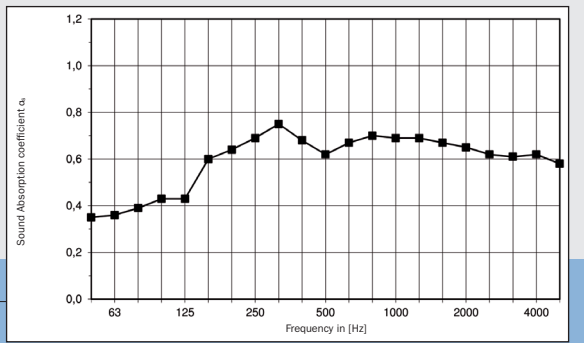
Back of tile laminated with
Acoustic fleece AV 2010

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

Single number rating acc. ASTM C 423: SAA = 0,66
Classification acc. ASTM E 1264: NRC = 0,65

Ceiling Void: 400 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_p	0,50	0,70	0,65	0,70	0,65	0,60



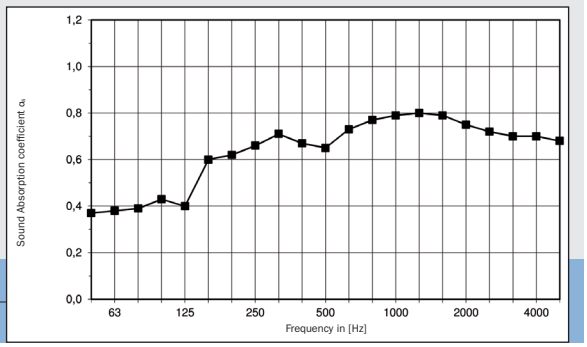
Back of tile laminated with
Acoustic fleece AV 2010 +
Glass wool sound protection board SSP 1, 30 mm

Sound Absorption α_w **= 0,75**
Sound Absorbing Classification **C**

Single number rating acc. ASTM C 423: SAA = 0,71
Classification acc. ASTM E 1264: NRC = 0,70

Ceiling Void: 400 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_p	0,50	0,65	0,70	0,80	0,75	0,70



Vogl Deckensysteme GmbH Anton Vogl Str. 1, 91448 Emskirchen, Germany +49 9104 825-0 +49 9104 825-250 info@vogl-ceilingsystems.com
08/20