

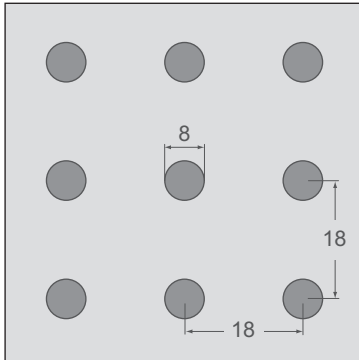
Acoustic Design Boards

Product Data Sheet 216

Sound Absorption 100 mm / 400 mm



Acoustic Design Board 8/18R (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:

$d = 12,5 \text{ mm}$

Density:

$8,50 \text{ kg/m}^2$

Perforated Area:

15,5 %

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 $\alpha_W = 0,70$

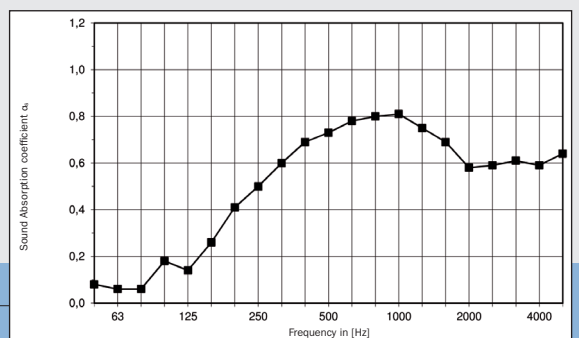
Sound Absorbing Classification **C**

Single number rating acc. ASTM C 423: SAA = 0,66

Classification acc. ASTM E 1264: NRC = 0,65

Ceiling Void: 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	0,60



Back of tile laminated with

**Acoustic fleece AV 2010 +
Glass wool sound protection board SSP 1, 30 mm**

Sound Absorption $\alpha_W = 0,75$

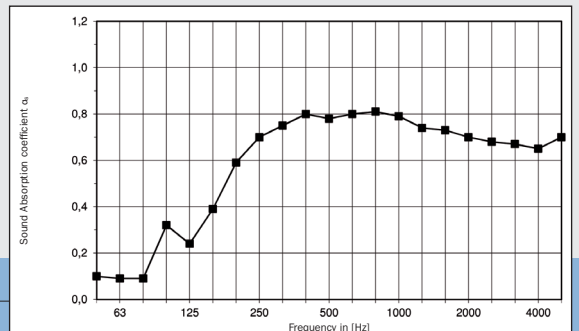
Sound Absorbing Classification **C**

Single number rating acc. ASTM C 423: SAA = 0,74

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	0,70	0,80	0,80	0,70	0,65



Back of tile laminated with

Acoustic fleece AV 2010

Sound Absorption $\alpha_W = 0,70$

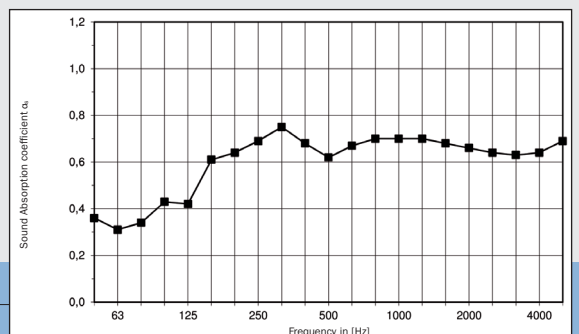
Sound Absorbing Classification **C**

Single number rating acc. ASTM C 423: SAA = 0,67

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	0,80	0,65	0,65



Back of tile laminated with

**Acoustic fleece AV 2010 +
Glass wool sound protection board SSP 1, 30 mm**

Sound Absorption $\alpha_W = 0,75$

Sound Absorbing Classification **C**

Single number rating acc. ASTM C 423: SAA = 0,72

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	0,75

