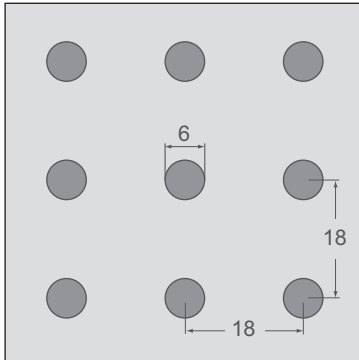


Acoustic Design Boards

Product Data Sheet 215

Sound Absorption 100 mm / 400 mm

Acoustic Design Board 6/18R (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 mm

Density:

9,10 kg/m²

Perforated Area:

8,7 %

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 $\alpha_W = 0,55$

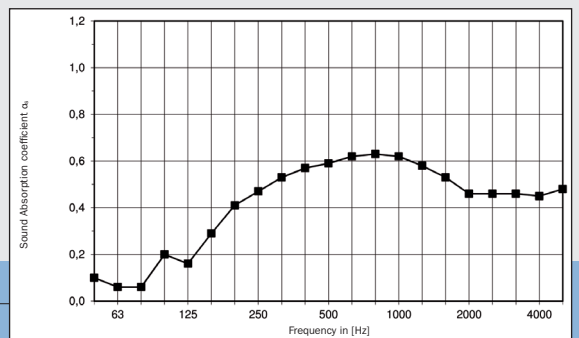
Sound Absorbing Classification **D**

Single number rating acc. ASTM C 423: SAA = 0,54

Classification acc. ASTM E 1264: NRC = 0,55

Ceiling Void: 100 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_p	0,20	0,45	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 $\alpha_W = 0,60$

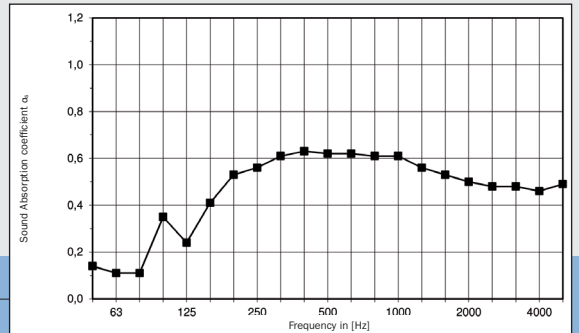
Sound Absorbing Classification **C**

Single number rating acc. ASTM C 423: SAA = 0,57

Classification acc. ASTM E 1264: NRC = 0,55

Ceiling Void: 100 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_p	0,35	0,55	0,60	0,60	0,50	0,50



Back of tile laminated with

Acoustic fleece AV 2010

Sound Absorption $\alpha_W = 0,55$

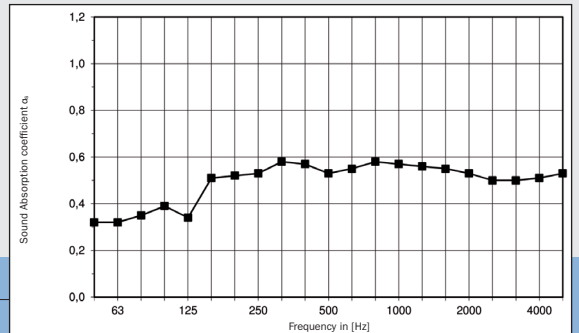
Sound Absorbing Classification **D**

Single number rating acc. ASTM C 423: SAA = 0,54

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	0,55	0,55	0,55	0,50



Back of tile laminated with

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

Sound Absorption $\alpha_W = 0,60$

Sound Absorbing Classification **C**

Single number rating acc. ASTM C 423: SAA = 0,56

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	0,55	0,60	0,60	0,55

