

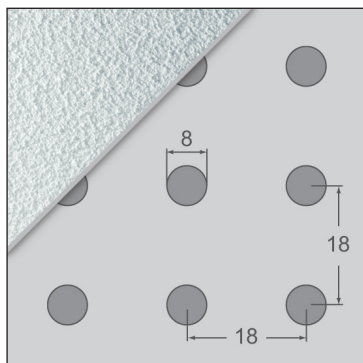
Acoustic Plaster Ceilings

Product Data Sheet 164

Sound Absorption 65 mm / 200 mm



Acoustic Plaster System 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: $8,5 \text{ kg/m}^2$
 Perforated Area: $15,4 \%$
 Building Material Classification according DIN 4102: A2, "non combustible"
 Fire performance according DIN EN 13501: A2-s1, d0

System setup:

Covered with plaster carrier fleece and finished with a coating of VoglToptec acoustic plaster Nano SF

Range of use:

Creation of sound-absorbing areas

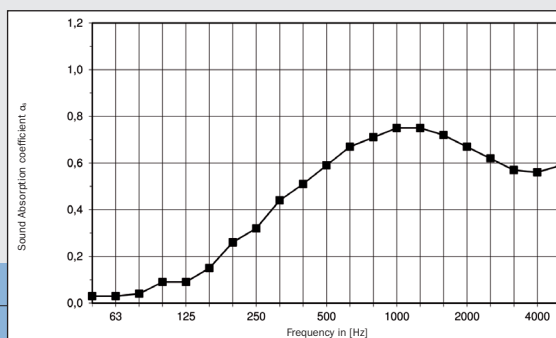
Back of tile laminated with
Acoustic fleece AV 2010

Sound Absorption $\alpha_w = 0,60$
 Sound Absorbing Classification **C**

Single number rating acc. ASTM C 423: SAA = 0,58
 Classification acc. ASTM E 1264: NRC = 0,60

Ceiling Void: 65 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_p	0,10	0,35	0,60	0,75	0,65	0,55



Back of tile laminated with
Acoustic fleece AV 2010 +

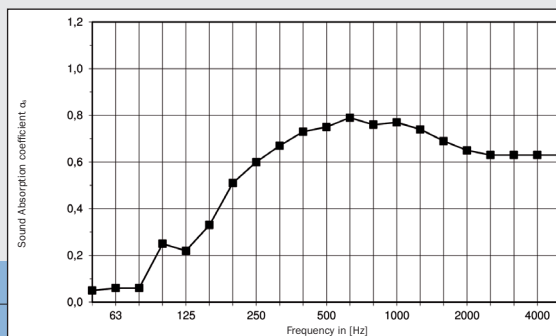
Glass wool sound protection board SSP 1, 30 mm

Sound Absorption $\alpha_w = 0,75$
 Sound Absorbing Classification **C**

Single number rating acc. ASTM C 423: SAA = 0,69
 Classification acc. ASTM E 1264: NRC = 0,70

Ceiling Void: 65 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_p	0,25	0,60	0,75	0,75	0,65	0,65



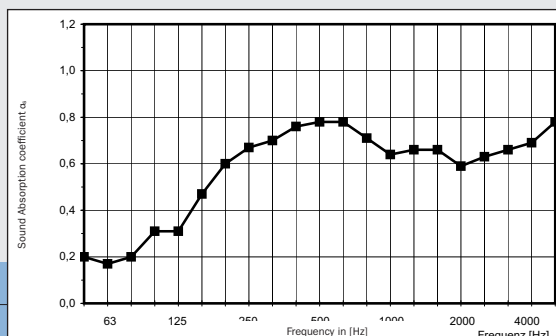
Back of tile laminated with
Acoustic fleece AV 2010

Sound Absorption $\alpha_w = 0,70$
 Sound Absorbing Classification **C**

Single number rating acc. ASTM C 423: SAA = 0,68
 Classification acc. ASTM E 1264: NRC = 0,65

Ceiling Void: 200 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_p	0,35	0,65	0,75	0,65	0,65	0,70



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 = 0,75
 Classification acc. ASTM E 1264: NRC = 0,75

Ceiling Void: 200 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_p	0,45	0,75	0,75	0,75	0,75	0,75

