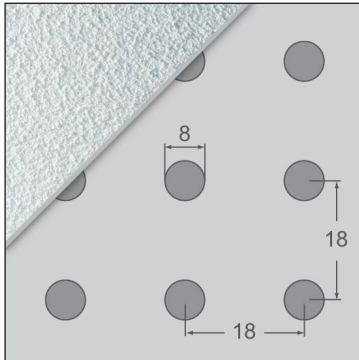


Acoustic Plaster Ceilings

Product data sheet 226

Sound absorption 100 mm / 400 mm

Acoustic Plaster System Panel 8/18R (round)



- Determination of sound absorption coefficient as per DIN EN ISO 354
- Rating of sound absorption coefficient as per DIN EN ISO 11654

Panel thickness: $t_h = 12.5 \text{ mm}$
 Mass per unit area: 8.5 kg/m^2
 Perforated area: 15.4%
 Fire rating as per DIN 4102: $A2$, "non combustible"
 Fire behaviour as per DIN EN 13501-1: $A2-s1, d0$

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

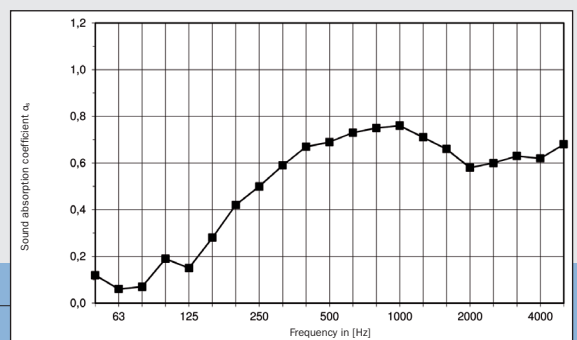
Back of panel laminated with
acoustic fleece AV 2010

Sound absorption $\alpha_w = 0.70$
 Sound absorbing classification **C**

Single number rating acc. ASTM C 423: SAA = 0.64
 Classification acc. ASTM E 1264: NRC = 0.65

Ceiling void: 100 mm

Frequency in [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.20	0.50	0.70	0.75	0.60	0.65



Back of panel laminated with

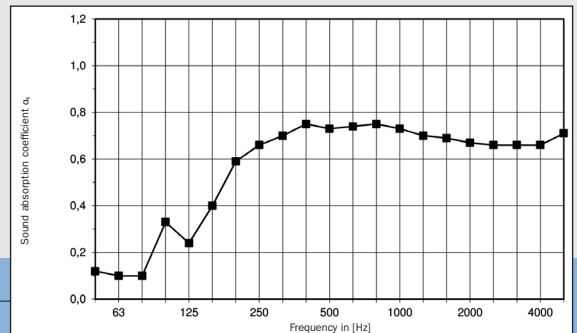
**acoustic fleece AV 2010 +
Glass wool sound protection board SSP 1, 30 mm**

Sound absorption $\alpha_w = 0.75$
 Sound absorbing classification **C**

Single number rating acc. ASTM C 423: SAA = 0.70
 Classification acc. ASTM E 1264: NRC = 0.70

Ceiling void: 100 mm

Frequency in [Hz]	125	250	500	1,000	2,000	4,000
Sound Absorption coefficient α_p	0.30	0.65	0.75	0.75	0.65	0.70



Back of panel laminated with

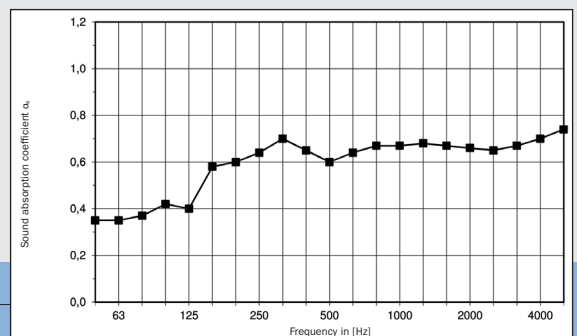
Acoustic fleece AV 2010

Sound absorption $\alpha_w = 0.65$
 Sound absorbing classification **C**

Single number rating acc. ASTM C 423: SAA = 0.64
 Classification acc. ASTM E 1264: NRC = 0.65

Ceiling void: 400 mm

Frequency in [Hz]	125	250	500	1,000	2,000	4,000
Sound Absorption coefficient α_p	0.45	0.65	0.65	0.65	0.65	0.70



Back of panel 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 = 0.68
 Classification acc. ASTM E 1264: NRC = 0.70

Ceiling void: 400 mm

Frequency in [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.45	0.60	0.65	0.75	0.75	0.75

