

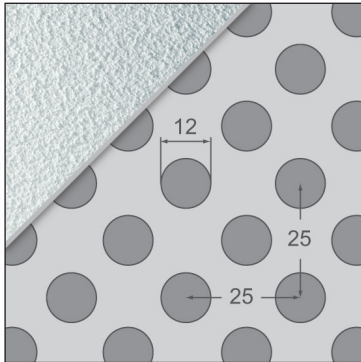
Acoustic Plaster Ceilings

Product Data Sheet 168

Sound Absorption 65 mm / 200 mm



Ultra-acoustic panel 12/25R DLV (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:

th = 12,5 mm

Density:

6,5 kg/m²

Perforated Area:

33,9 %

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 $\alpha_W = 0,55$ (MH)

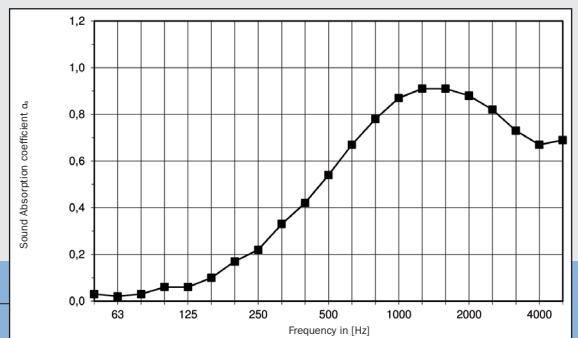
Sound Absorbing Classification **D**

Single number rating acc. ASTM C 423: SAA = 0,63

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

Ceiling Void: 65 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_p	0,05	0,25	0,55	0,85	0,85	0,70



Back of tile laminated with

Acoustic fleece AV 2010 +

Glass wool sound protection board SSP 1, 30 mm

Sound Absorption $\alpha_W = 0,90$

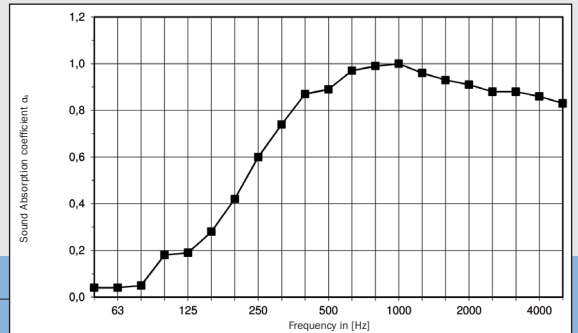
Sound Absorbing Classification **A**

Single number rating acc. ASTM C 423: SAA = 0,85

Classification acc. ASTM E 1264: NRC = 0,85

Ceiling Void: 65 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_p	0,20	0,60	0,90	1,00	0,90	0,85



Back of tile laminated with

Acoustic fleece AV 2010

Sound Absorption $\alpha_W = 0,80$

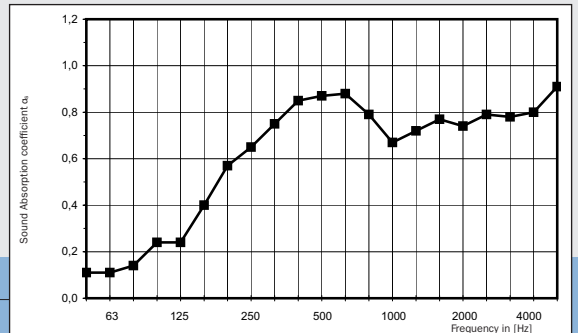
Sound Absorbing Classification **B**

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	0,30	0,65	0,85	0,75	0,75	0,85



Back of tile laminated with

Acoustic fleece AV 2010 +

Glass wool sound protection board SSP 1, 30 mm

Sound Absorption $\alpha_W = 0,95$

Sound Absorbing Classification **A**

Single number rating acc. ASTM C 423: SAA = 0,91

Classification acc. ASTM E 1264: NRC = 0,90

Ceiling Void: 200 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_p	0,45	0,80	0,90	0,90	1,00	1,00

