

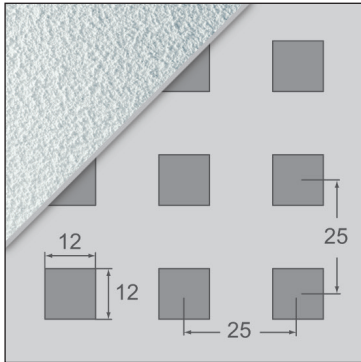
Acoustic Plaster Ceilings

Product Data Sheet 166

Sound Absorption 65 mm / 200 mm



Acoustic Plaster System Board 12/25Q (quadrat)



- 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:

7,7 kg/m²

Perforated Area:

22,9 %

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 $\alpha_W = 0,60$ (M)

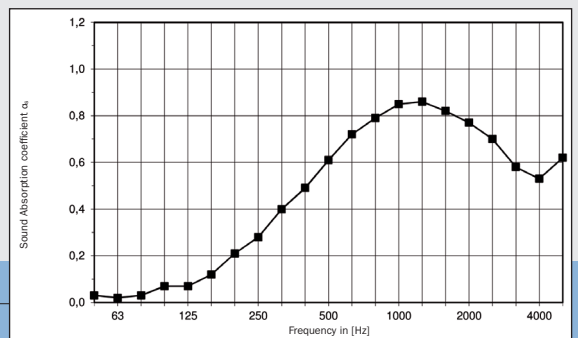
Sound Absorbing Classification **C**

Single number rating acc. ASTM C 423: SAA = 0,62

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	0,10	0,30	0,60	0,85	0,75	0,60



Back of tile laminated with

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

Sound Absorption $\alpha_W = 0,80$

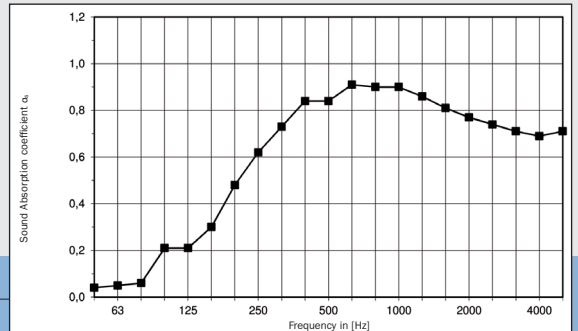
Sound Absorbing Classification **B**

Single number rating acc. ASTM C 423: SAA = 0,78

Classification acc. ASTM E 1264: NRC = 0,80

Ceiling Void: 65 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_p	0,25	0,60	0,85	0,90	0,75	0,70



Back of tile laminated with

Acoustic fleece AV 2010

Sound Absorption $\alpha_W = 0,75$

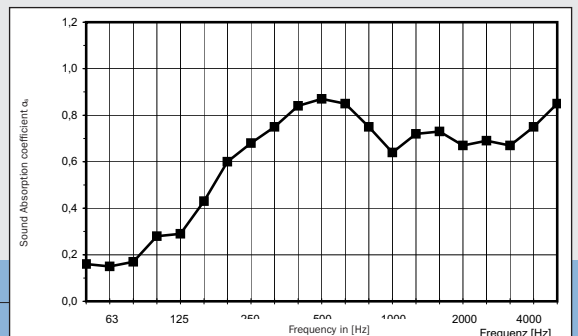
Sound Absorbing Classification **C**

Single number rating acc. ASTM C 423: SAA = 0,73

Classification acc. ASTM E 1264: NRC = 0,70

Ceiling Void: 200 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_p	0,35	0,70	0,85	0,70	0,70	0,75



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: 200 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_p	0,45	0,80	0,85	0,85	0,90	0,90

