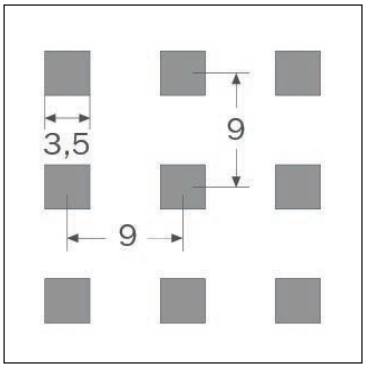
Ceiling Tiles

Product Data Sheet 207

Sound Absorption test setup 200 mm

Ceiling Tile 3,5/9Q



- 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:	8,71 - 8,98 kg/m^2 (*)
Perforated Area:	10,19 - 12,89 % (*)
Fire performance according DIN EN 13501:	A2-s1, d0

(*) = vary in according to size and edge type

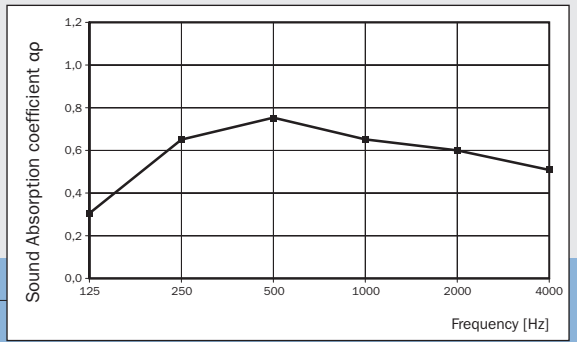
Back of tile laminated with
Acoustic fleece AV 2010

Sound Absorption a_w **= 0,65**
Sound Absorbing Classification **C** (highly absorbing)

Single number rating acc ASTM C423-09a: **SAA = 0,69**
NRC = 0,70

test setup E-200 (200 mm)

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient αp	0,30	0,65	0,75	0,65	0,60	0,50



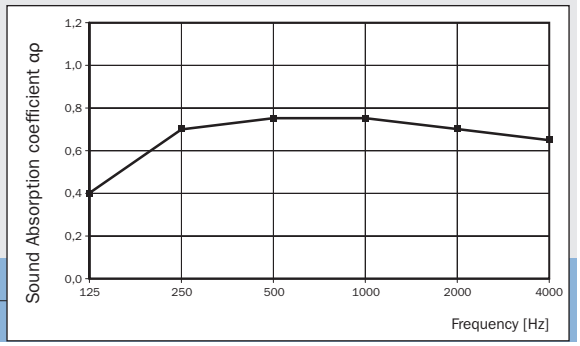
Back of tile laminated with
Acoustic fleece AV 2010 +
Glass wool sound protection board SSP 1, 30 mm

Sound Absorption a_w **= 0,75**
Sound Absorbing Classification **C** (highly absorbing)

Single number rating acc ASTM C423-09a: **SAA = 0,72**
NRC = 0,70

test setup E-200 (200 mm)

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient αp	0,40	0,70	0,75	0,75	0,70	0,65



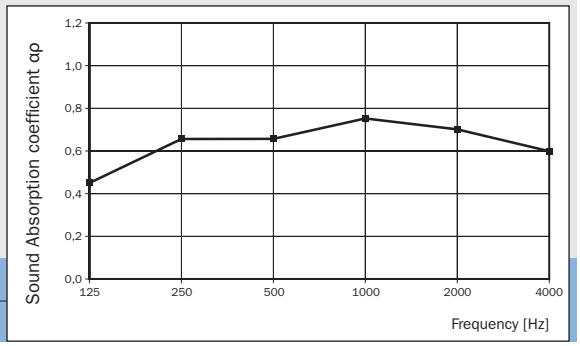
Back of tile laminated with
Acoustic fleece AV 2010 +
Glass wool sound protection board SSP 2, 50 mm

Sound Absorption a_w **= 0,70**
Sound Absorbing Classification **C** (highly absorbing)

Single number rating acc ASTM C423-09a: **SAA = 0,70**
NRC = 0,70

test setup E-200 (200 mm)

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient αp	0,45	0,65	0,65	0,75	0,70	0,60



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