

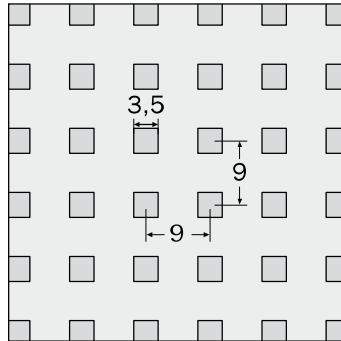
Ceiling Tiles

Product Data Sheet 208

Sound Absorption test setup 400 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: $d = 12,5 \text{ mm}$
 Density: $8,71 - 8,98 \text{ kg/m}^2 (*)$
 Perforated Area: $10,19 - 12,89 \% (*)$
 Fire performance according DIN EN 13501: $A2-s1, d0$

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

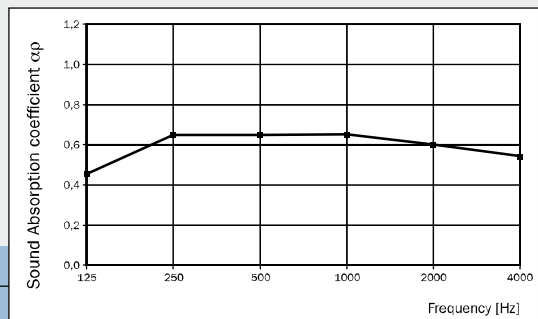
Back of tile laminated with
Acoustic fleece AV 2010

Sound Absorption $\alpha_w = 0,65$
 Sound Absorbing Classification **C** (highly absorbing)

Single number rating acc ASTM C423-09a: **SAA = 0,64**
NRC = 0,65

test setup E-400 (400 mm)

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_p	0,45	0,65	0,65	0,65	0,60	0,55



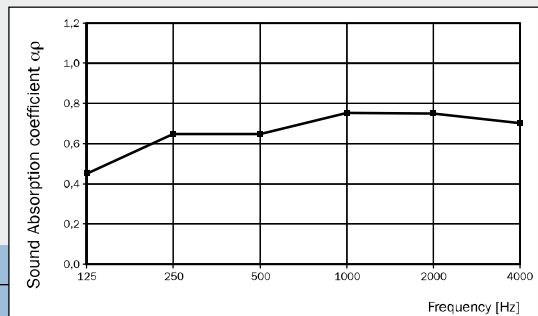
Back of tile laminated with
Acoustic fleece AV 2010 +
Glass wool sound protection board SSP 1, 30 mm

Sound Absorption $\alpha_w = 0,75$
 Sound Absorbing Classification **C** (highly absorbing)

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

test setup E-400 (400 mm)

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



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

Sound Absorption $\alpha_w = 0,75$
 Sound Absorbing Classification **C** (highly absorbing)

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

test setup E-400 (400 mm)

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_p	0,45	0,65	0,80	0,75	0,70	0,65

