



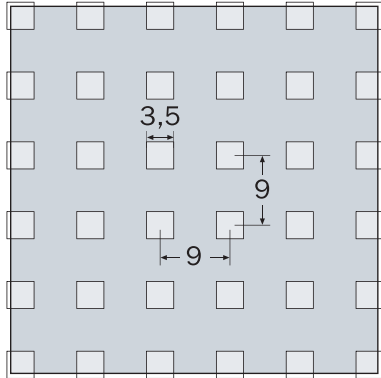
Ceiling Tiles

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:

Density:

Perforated Area:

Fire performance according DIN EN 13501:

$d = 12,5 \text{ mm}$

$8,71 - 8,98 \text{ kg/m}^2 (*)$

$10,19 - 12,89 \% (*)$

A2-s1, d0

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

Back of tile laminated with
Acoustic fleece AV 2010

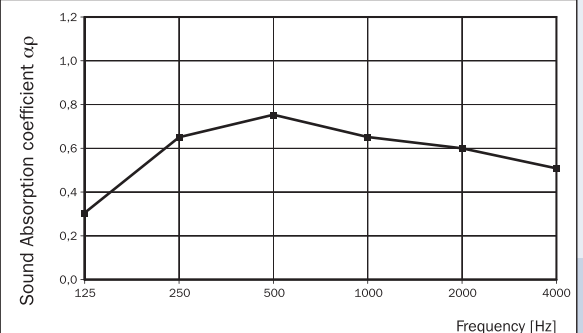
Sound Absorption $\alpha_w = 0,65$

Sound Absorbing Classification **C** (highly absorbing)

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

test setup E-200 (200 mm)

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_p	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

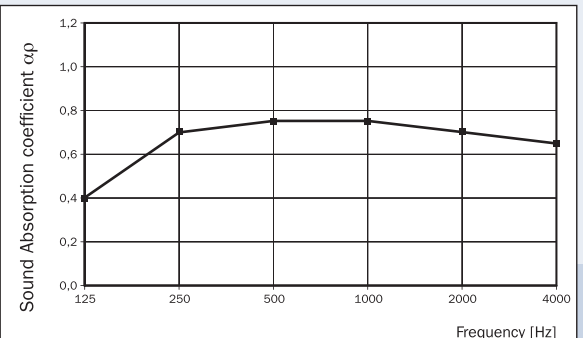
Sound Absorption $\alpha_w = 0,75$

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 α_p	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

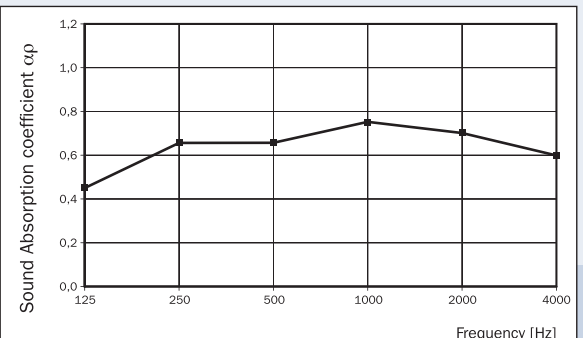
Sound Absorption $\alpha_w = 0,70$

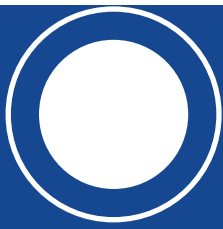
Sound Absorbing Classification **C** (highly absorbing)

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 α_p	0,45	0,65	0,65	0,75	0,70	0,60





بلاطات جبسية مثقبة ميكرو لامتصاص الصوت
من انتاج شركة فوجل الالمانية



<u>Manufacturer:</u>	Vogl Deckensysteme GmbH, Emskirchen, Germany
<u>Material:</u>	Gypsum
<u>Products:</u>	Vogl Kassettendecken / Vogl Tiles
<u>Surface Design:</u>	3.5 / 9 Q (square) - perforated white sim. RAL 9010
<u>Suspension System:</u>	Excellent (semi recessed) - Exposed System For 15 or 24 mm wide T-Bar System demountable ceiling
<u>Size:</u>	600 x 600 mm (other sizes upon request)
<u>Thickness:</u>	12.5 mm
<u>Weight:</u>	max. 8.98 kg / m ²
<u>Perforated Area:</u>	max. 12.9 %
<u>Colour:</u>	White similar to RAL 9010, other colours are available to order
<u>Quality Assurance</u>	ISO 9001
<u>Sound absorption:</u>	depending on backside fleece lamination up to Alpha w of approx. 0.65 / NRC 0.70
30 mm SSP1 woll back	Alpha w of approx. 0.75 / NRC 0.70
<u>Sound Absorption:</u>	as per DIN EN ISO 354 as per DIN EN ISO 11654
<u>Humidity resistant:</u>	up to 70% RH

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