

- Determination of sound absorption coefficient as per DIN EN ISO 354
- Rating of sound absorption coefficient as per DIN EN ISO 11654

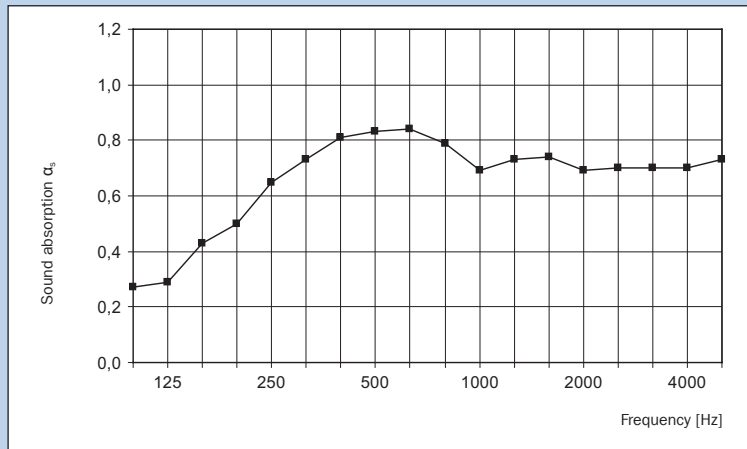
Panel thickness: $th = 12.5 \text{ mm}$
 Mass per unit area: 8.00 kg/m^2
 Perforated area: 19.8%
 Material class as per DIN 4102: $A2, \text{ "non-inflammable"}$
 Fire behaviour as per DIN EN 13501: $A2-s1, d0$

Back of panel laminated with
Acoustic fleece AV 2010

Rated sound absorption $\alpha_w = 0.75$
 sound absorption class **C**
 (highly absorbing)

Single number rating as per ASTM C 423:
 $SAA = 0.72$
 Classification as per ASTM E 1264:
 $NRC = 0.70$

Air gap: 200 mm



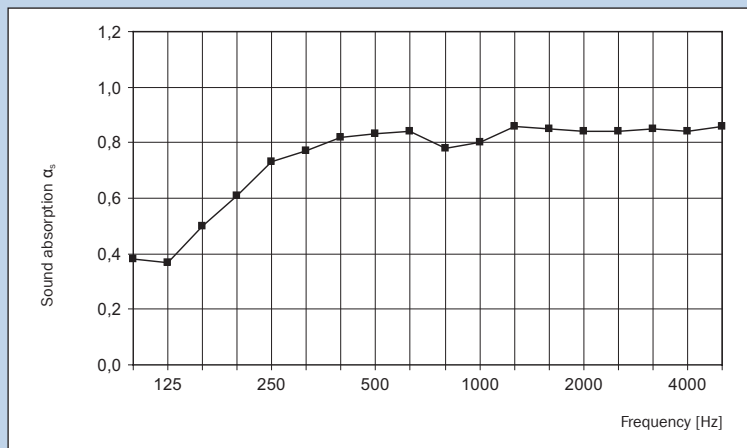
Octave centre frequency [Hz]	125	250	500	1000	2000	4000
Sound absorption coefficient α_s	0.29	0.65	0.83	0.69	0.69	0.70

Back of panel laminated with
Acoustic fleece AV 2010
 backed with glass wool
Mineral wool panel SSP 1, 30 mm

Rated sound absorption $\alpha_w = 0.85$
 sound absorption class **B**
 (extremely absorbing)

Single number rating as per ASTM C 423:
 $SAA = 0.80$
 Classification as per ASTM E 1264:
 $NRC = 0.80$

Air gap: 200 mm



Octave centre frequency [Hz]	125	250	500	1000	2000	4000
Sound absorption coefficient α_s	0.37	0.73	0.83	0.80	0.84	0.84

Find all our product documentation in many languages, always up-to-date and available at any time, on our website under:
<http://www.vogl-ceilingssystems.com/> in the "Downloads" category