

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

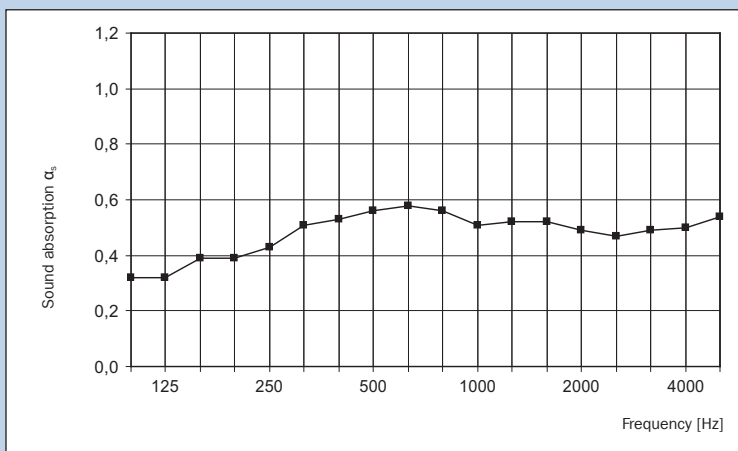
Panel thickness:  $th = 12.5 \text{ mm}$   
 Mass per unit area:  $9.10 \text{ kg/m}^2$   
 Perforated area:  $8.7 \%$   
 Material class as per DIN 4102: A2, "non-inflammable"  
 Fire behaviour as per DIN EN 13501: A2-s1, d0

Back of panel laminated with  
**Acoustic fleece AV 2010**

Rated sound absorption  $\alpha_w = 0.55$   
 sound absorption class **D**  
 (absorbing)

Single number rating as per ASTM C 423:  
 SAA = 0.51  
 Classification as per ASTM E 1264:  
 NRC = 0.50

**Air gap: 200 mm**



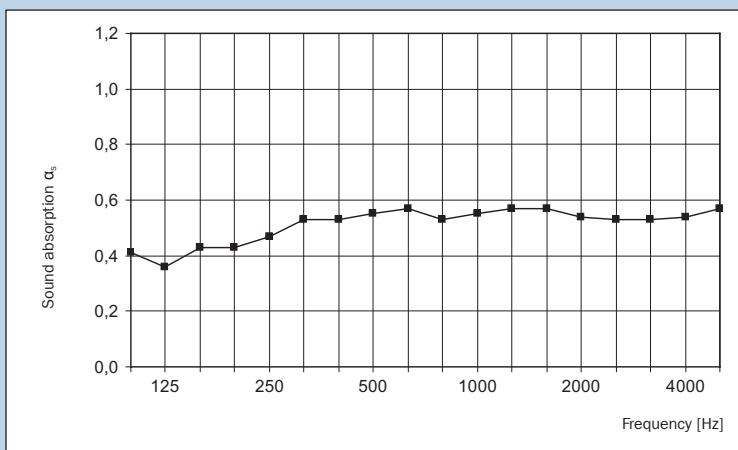
Octave centre frequency [Hz]	125	250	500	1000	2000	4000
Sound absorption coefficient $\alpha_s$	0.32	0.43	0.56	0.51	0.49	0.50

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

Rated sound absorption  $\alpha_w = 0.55$   
 sound absorption class **D**  
 (absorbing)

Single number rating as per ASTM C 423:  
 SAA = 0.53  
 Classification as per ASTM E 1264:  
 NRC = 0.55

**Air gap: 200 mm**



Octave centre frequency [Hz]	125	250	500	1000	2000	4000
Sound absorption coefficient $\alpha_s$	0.36	0.47	0.55	0.55	0.54	0.54

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