

Appendix 9

**Sound absorption coefficient according to SS-EN ISO 11654**

Measurement of sound absorption coefficient in a reverberation room

---

Client: Saint-Gobain Ecophon AB Date of test: 2024-06-13  
 Description: ODS 30 mm

Object: Fade ONE Smooth 25 mm

Empty reverberation room:	Reverberation room with object
Relative humidity: 79,3 %	Relative humidity: 80,7 %
Temperature: 21,8 °C	Temperature: 22,3 °C
Barometric pressure: 98,9 kPa	Barometric pressure: 99,0 kPa

  

Surface area: 10,80 m <sup>2</sup>
Room volume: 200,0 m <sup>3</sup>
Total room area S <sub>t</sub> : 211,4 m <sup>2</sup>

  

Frequency f [Hz]	$\alpha_p$ 1/1octave
100	0,10
125	
160	
200	0,50
250	
315	
400	0,85
500	
630	
800	
1000	0,95
1250	
1600	
2000	0,90
2500	
3150	
4000	0,90
5000	

  
  

Weighted sound absorption coefficient according to ISO 11654

$\alpha_w = 0,80$  Classification: B