

Appendix 4

Sound absorption coefficient according to EN-ISO 11654

Measurement of sound absorption coefficient in a reverberation room

Client: Saint Gobain Ecophon AB

Date of test: 2023-02-15

Description:

Object: Clipso 495AC 4054 anthracite
180 mm air gap + glass wool 20 mm Acoustic board for Clipso
ODS 200 mm

Empty reverberation room:

Relative humidity: 83,0 %

Temperature: 17,9 °C

Barometric pressure: 100,5 kPa

Reverberation room with object:

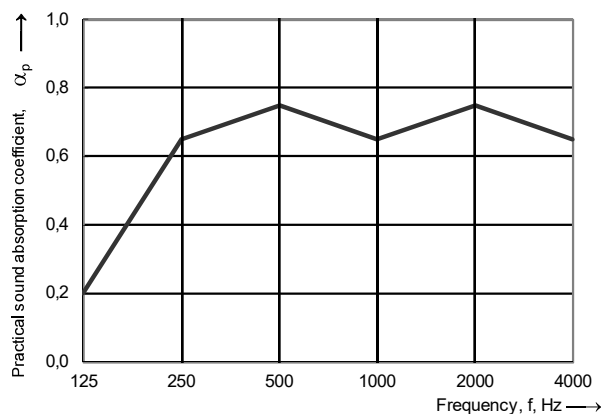
Relative humidity: 82,2 %

Temperature: 18,9 °C

Barometric pressure: 100,5 kPa

Surface area: 10,80 m²Room volume: 200,0 m³Total room area S_T : 211,4 m²

Frequency f [Hz]	α_p 1/1 octave
100	0,20
125	
160	
200	0,65
250	
315	
400	0,75
500	
630	
800	0,65
1000	
1250	
1600	0,75
2000	
2500	
3150	0,65
4000	
5000	



Weighted sound absorption coefficient according to ISO 11654

 $\alpha_w = 0,75$

Classification: C