

Appendix 11

Sound absorption coefficient according to EN-ISO 11654

Measurement of sound absorption coefficient in a reverberation room

Client: Saint-Gobain Ecophon
Object: Focus Flexiform
1200 mm x 600 mm x 30 mm
ODS 200 mm

Date of test: 2020-12-08

Empty reverberation room:

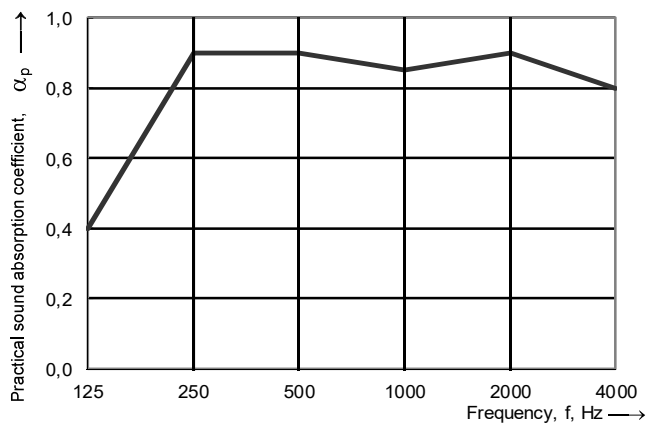
Relative humidity: 78,3 %
Temperature: 19,6 °C
Barometric pressure: 98,9 kPa

Reverberation room with object:

Relative humidity: 76,3 %
Temperature: 20,2 °C
Barometric pressure: 98,9 kPa

Surface area: 10,80 m²
Room volume: 200,0 m³
Total room area S_T: 211,4 m²

Frequency f [Hz]	α_p 1/1 octave
100 125 160	0,40
200 250 315	0,90
400 500 630	0,90
800 1000 1250	0,85
1600 2000 2500	0,90
3150 4000 5000	0,80



Weighted sound absorption coefficient according to ISO 11654

$\alpha_w = 0,90$

Classification: A