Appendix 10

Sound absorption coefficient according to EN-ISO 11654

Measurement of sound absorption coefficient in a reverberation room

Client: Saint Gobain Ecophon AB
Description:

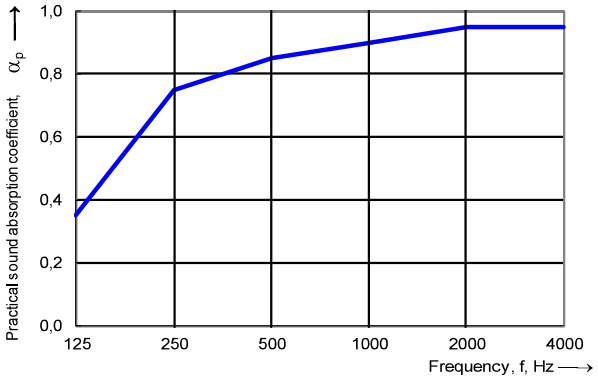
Date of test: 2021-09-30

Object: Master Ds
Thickness 40 mm
ODS 95 mm

Empty reverberation room:		Reverberation room with object:	
Relative humidity:	79,1 %	Relative humidity:	80,8 %
Temperature:	21,0 °C	Temperature:	21,8 °C
Barometric pressure:	99,2 kPa	Barometric pressure:	99,0 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	0,35
200 250 315	0,75
400 500 630	0,85
800 1000 1250	0,90
1600 2000 2500	0,95
3150 4000 5000	0,95



Weighted sound absorption coefficient according to ISO 11654

α_w = 0,90 Classification: A