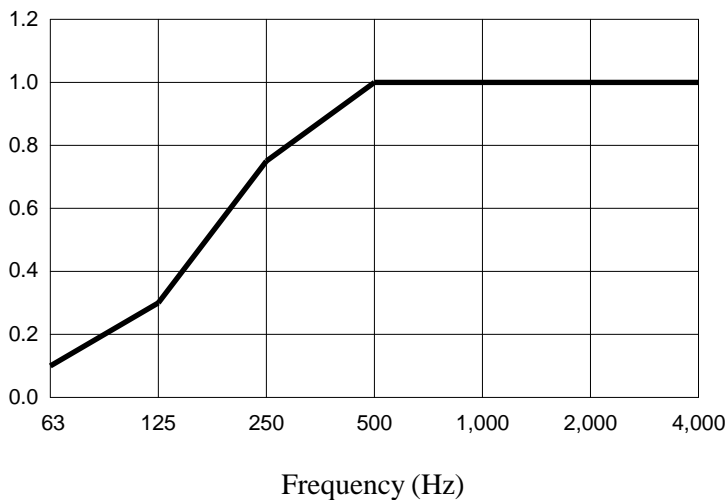


Measurement of sound absorption coefficient

Test	Measurement of sound absorption coefficient in a reverberation room according to SS-EN 20354 (ISO 354)
Client	OFFECCT AB
Object	Soundwave Luna Panel size: 585 mm x 585 mm
Date of test	March 28, 2001
Conditions	Surface area: 10,3 m ² Room volume: 200 m ³ Temperature at measurement on object/in empty room: 21/20 °C Relative humidity at measurement on object/in empty room: 82/81%
Result	Sound absorption class A according to EN ISO 11654. Weighted sound absorption coefficient $\alpha_w = 1$ according to EN ISO 11654.

Practical sound absorption coefficient



Frequency (Hz)	α_p
63	0.10
125	0.30
250	0.75
500	1.00
1,000	1.00
2,000	1.00
4,000	1.00

SP Swedish National Testing and Research Institute
Acoustics

Jarl Olofsson
Technical Manager

Mohammad Jalalian
Technical Officer