

Appendix I

Measurement of sound absorption coefficient

Test Measurement of sound absorption coefficient in a reverberation room according to EN ISO 354 and evaluation according to EN ISO 11654

Client Ecophon AB
Johanna Friman

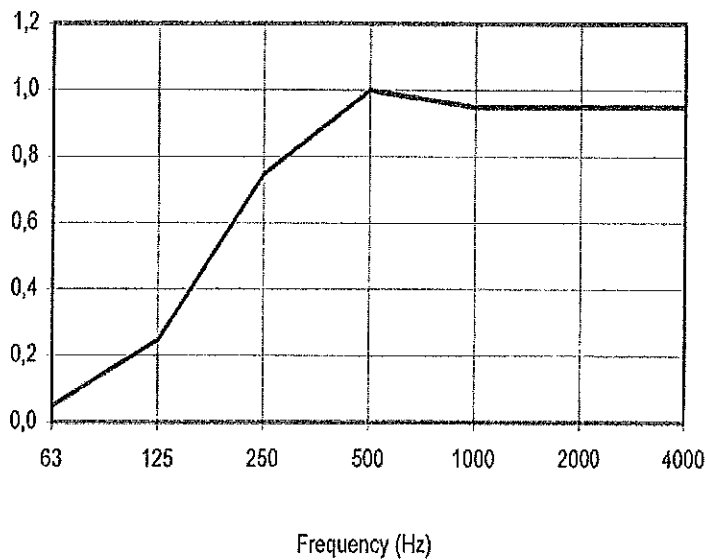
Object Sky flowers
Wall Panel C/Muralis
Thickness: 40 mm.
Panel size: 2700 mm x 600 mm.

Date of test July 12, 2011

Conditions Mounting depth: 50 mm.
Surface area: 10,8 m².
Room volume: 200 m³.
Temperature at measurement on object/in empty room: 23/ 23 °C.
Relative humidity at measurement on object/in empty room: 75/ 75 %.

Result Sound absorption class A.
Weighted sound absorption coefficient $\alpha_w = 0,95$.

Practical sound absorption coefficient



Frequency (Hz)	α_p
63	0,05
125	0,25
250	0,75
500	1,00
1000	0,95
2000	0,95
4000	0,95