

Measurement of sound absorption coefficient

Test Measurement of sound absorption coefficient in a reverberation room according to ISO-354.

Client Ecophon AB
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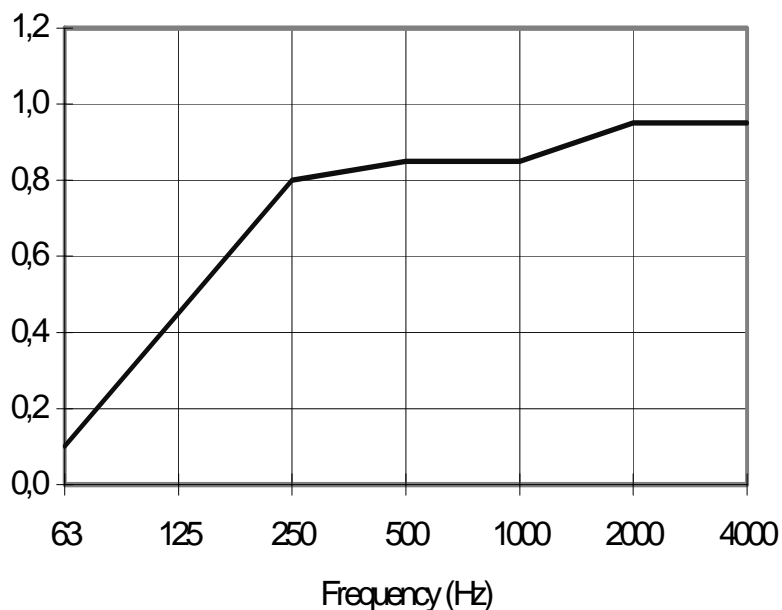
Object Focus C, D, DG and Frieze; Access C and Frieze
Thickness: 20 mm.
Panel size: c 1200 mm x 600 mm.

Date of test March 18, 1997

Conditions Mounting depth: 200 mm.
Surface area: 10,8 m².
Room volume: 200 m³.
Temperature at measurement on object/in empty room: 19/ 18 °C.
Relative humidity at measurement on object/in empty room: 74/ 75 %.

Result Sound absorption class A according to ISO/DIS 11654.
Sound absorption coefficient $\alpha_w = 0,9$ according to ISO/DIS 11654.

Practical sound absorption coefficient



Frequency (Hz)	α_p
63	0,10
125	0,45
250	0,80
500	0,85
1000	0,85
2000	0,95
4000	0,95

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