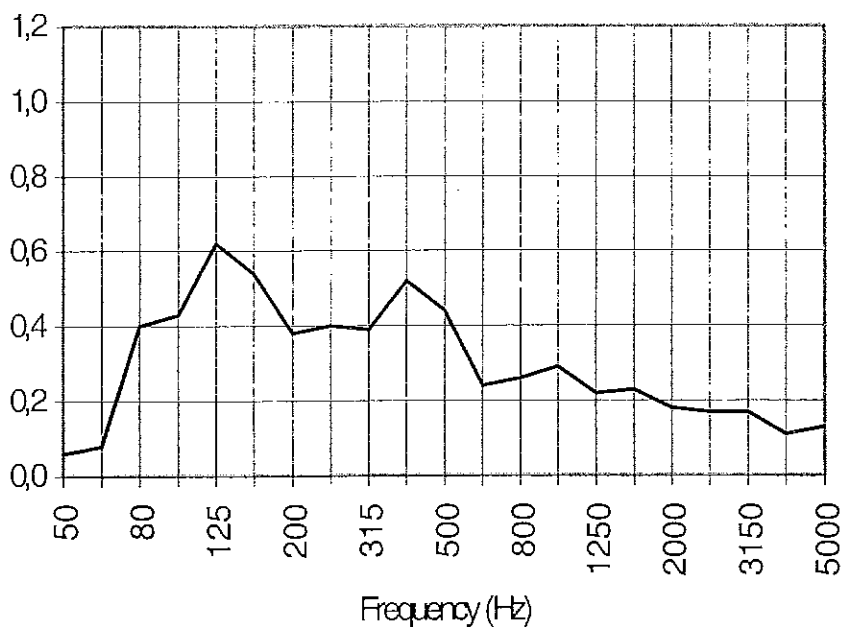


Measurement of sound absorption coefficient

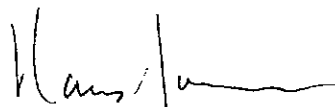
Test Measurement of sound absorption coefficient in a reverberation room according to ASTM C 423-99a
 File R11180, Project 99NK32570
Client Ecophon AB
 Lena Hallkvist
Object Wallpanel Colorado C/gamma
 Thickness: 40 mm.
 Panel size: 600 mm x 1200 mm.
Date of test January 18, 2000
Conditions Mounting depth: 40 mm.
 Surface area: 5,76 m².
 Room volume: 200 m³.
 Temperature at measurement on object/in empty room: 18/ 18 °C.
 Relative humidity at measurement on object/in empty room: 90/ 90 %.
Result Noise Reduction Coefficient (NRC)= 0,35
 Sound Absorption Average (SAA)= 0,31

Sound absorption coefficient



Frequency (Hz)	α_s
50	0,06
63	0,08
80	0,40
100	0,43
125	0,62
160	0,54
200	0,38
250	0,40
315	0,39
400	0,52
500	0,44
630	0,24
800	0,26
1000	0,29
1250	0,22
1600	0,23
2000	0,18
2500	0,17
3150	0,17
4000	0,11
5000	0,13

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