

Measurement of sound absorption coefficient

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

Client Ecophon AB

Object Baffle type: Hygiene Advance, thickness: 40 mm. Panel size: 600 mm x 1200 mm.

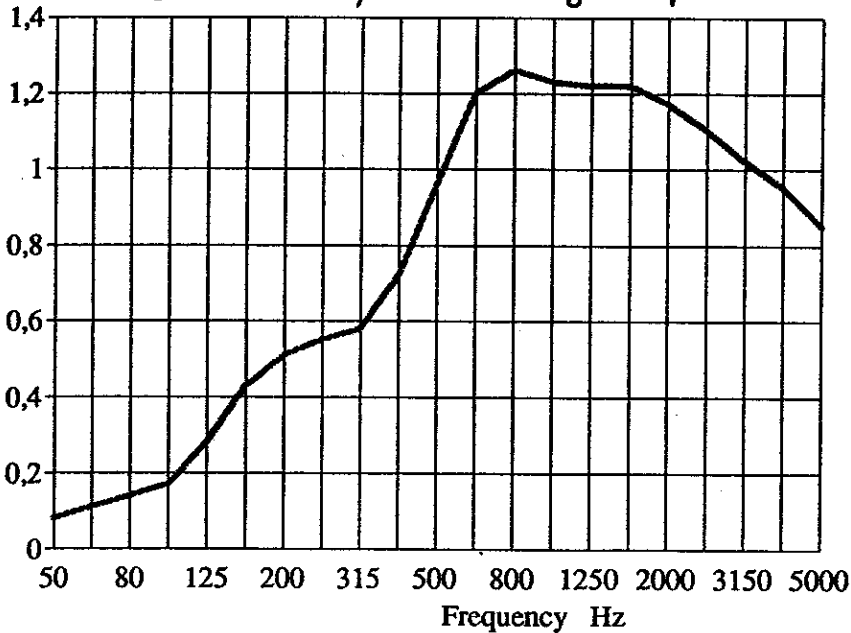
Date of test March. 24, 1994

Conditions **Mounting :** 15 baffles were placed on the floor in the reverberation room, see the mounting pattern in enclosure 42. c/c 600 mm.

Calculated surface area: 10,8 m²
 Room volume: 200 m³
 Temperature and relative humidity: 17,4°C and 81 % respectively.


Result Sound absorption class according to Swedish standard SS 025260: B
 The sound absorption coefficient is given below.

Sound absorption coefficient per m² ceiling surface



Frequency	Curve 1
50	0.08
63	0.11
80	0.14
100	0.17
125	0.28
160	0.43
200	0.51
250	0.55
315	0.58
400	0.72
500	0.96
630	1.20
800	1.26
1000	1.23
1250	1.22
1600	1.22
2000	1.17
2500	1.10
3150	1.02
4000	0.95
5000	0.85

$\alpha_w = 0,8$


 Hans Jonasson
 Director


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 Test engineer