

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.

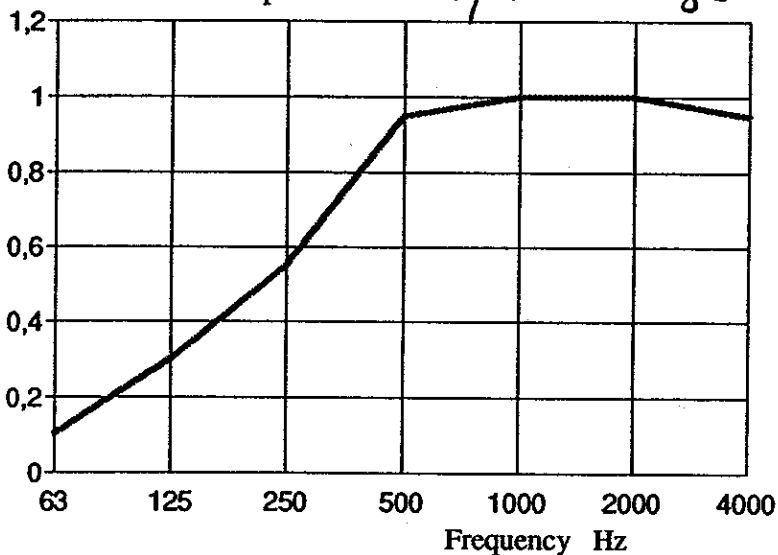
Date of test March. 24, 1994

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.

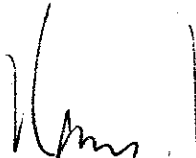
Result Sound absorption class according to Swedish standard SS 025260: B
 The sound absorption coefficient is given below.


Practical sound absorption coefficient *per m² ceiling surface*



Frequency	Curve 1
63	0,10
125	0,30
250	0,55
500	0,95
1000	1,00
2000	1,00
4000	0,95

$\alpha_w = 0,8$


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