



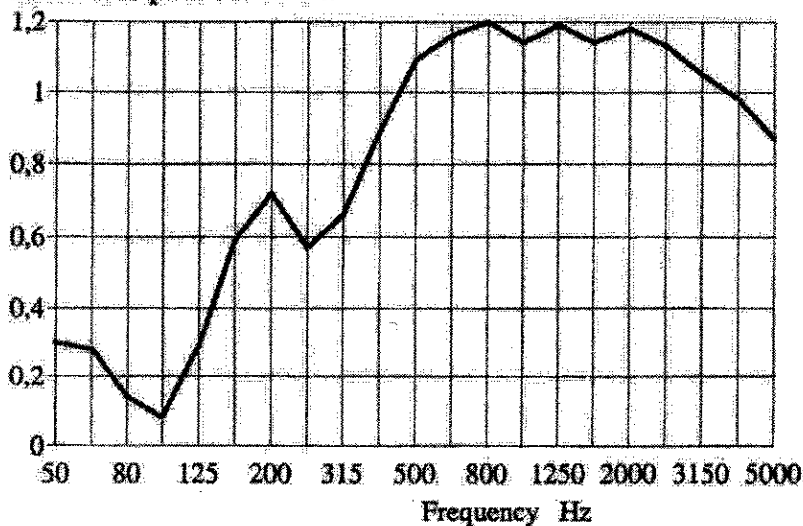
March 6, 1995

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## 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: Advance, thickness: 40 mm  
Panel size: 592 mm x 1192 mm.
- Date of test** March 3, 1995
- Conditions** Mounting : 12 baffles were placed on the floor in the reverberation room, see the mounting pattern in enclosure 35.  
Calculated surface area: 8,9 m<sup>2</sup>.  
Room volume: 200 m<sup>3</sup>  
Temperature and relative humidity: 18,2°C and 82 % respectively.
- Result** Sound absorption class according to Swedish standard SS 025260: class A  
The sound absorption coefficient is given below.

Sound absorption coefficient



Frequency	Curve 1
50	0.30
63	0.28
80	0.14
100	0.08
125	0.29
160	0.59
200	0.72
250	0.57
315	0.66
400	0.89
500	1.09
630	1.16
800	1.20
1000	1.14
1250	1.19
1600	1.14
2000	1.18
2500	1.13
3150	1.05
4000	0.98
5000	0.87

$\alpha_w = 0,9$