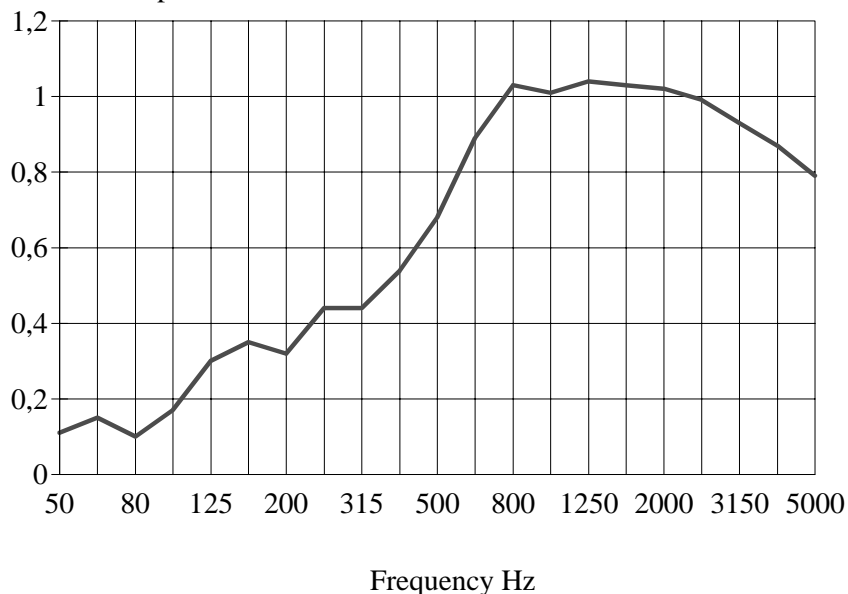


Measurement of sound absorption coefficient

- 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 May 10, 1996
- Conditions Mounting : 12 baffles were placed on the floor in the reverberation room, see the mounting pattern in enclosure 30.
Calculated surface area: 12 m²
Room volume: 200 m³
Temperature and relative humidity: 20,7 °C and 71 % respectively.
- Result Sound absorption class according to Swedish Standard SS 025260: class C
The sound absorption coefficient is given below.

Sound absorption coefficient



Frequency	Curve 1
50	0,11
63	0,15
80	0,10
100	0,17
125	0,30
160	0,35
200	0,32
250	0,44
315	0,44
400	0,54
500	0,68
630	0,89
800	1,03
1000	1,01
1250	1,04
1600	1,03
2000	1,02
2500	0,99
3150	0,93
4000	0,87
5000	0,79

$$\alpha_w = 0,7$$

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