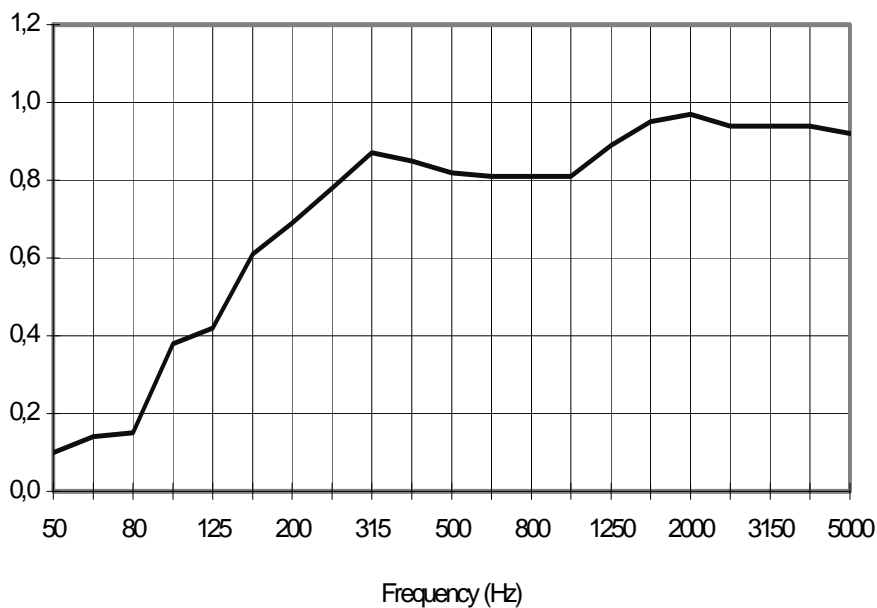


## Measurement of sound absorption coefficient

**Test** Measurement of sound absorption coefficient in a reverberation room according to SS-EN 20354 (ISO 354).  
**Client** Ecophon AB  
**Object** Lena Hallkvist  
 Acces C  
 Thickness: 20 mm.  
 Panel size: 1177 mm x 560 mm.  
**Date of test** July 8, 2003  
**Conditions** Mounting depth: 200 mm.  
 Surface area: 10,8 m<sup>2</sup>.  
 Room volume: 200 m<sup>3</sup>.  
 Temperature at measurement on object/in empty room: 24/ 20 °C.  
 Relative humidity at measurement on object/in empty room: 89/ 90 %.  
**Result** Sound absorption class A according to EN ISO 11654.  
 Weighted sound absorption coefficient  $\alpha_w = 0,9$  according to EN ISO 11654.

### Sound absorption coefficient



Frequency (Hz)	$\alpha_s$
50	0,10
63	0,14
80	0,15
100	0,38
125	0,42
160	0,61
200	0,69
250	0,78
315	0,87
400	0,85
500	0,82
630	0,81
800	0,81
1000	0,81
1250	0,89
1600	0,95
2000	0,97
2500	0,94
3150	0,94
4000	0,94
5000	0,92

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