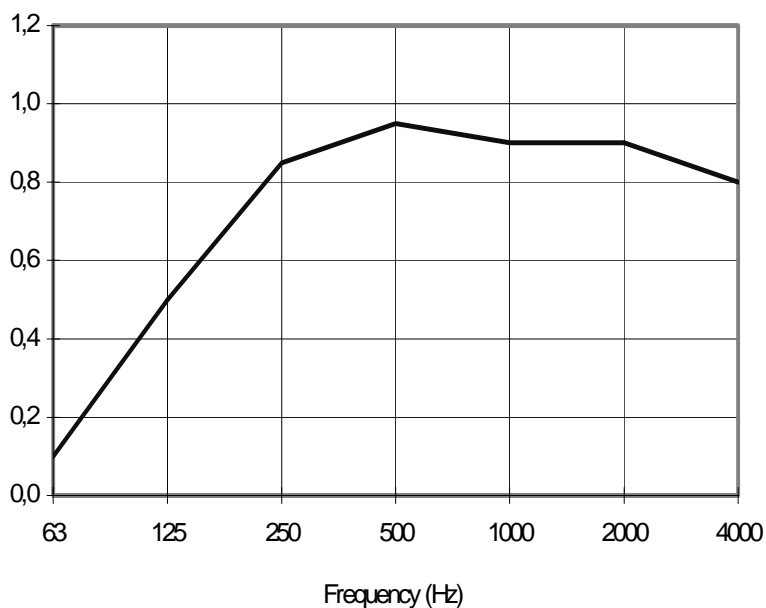


## Measurement of sound absorption coefficient

Test	Measurement of sound absorption coefficient in a reverberation room according to SS-EN 20354 (ISO 354).	
Client	Ecophon	
	Lena Hallkvist	
Object	Access A	
	Thickness: 25 mm.	
	Panel size: 1405 mm x 1177 mm.	
Date of test	January 16, 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:	18/ 20 °C.
	Relative humidity at measurement on object/in empty room:	84/ 82 %.
Result	Sound absorption class A according to EN ISO 11654.	
	Weighted sound absorption coefficient $\alpha_w = 0,9$ according to EN ISO 11654.	

### Practical sound absorption coefficient



Frequency (Hz)	$\alpha_p$
63	0,10
125	0,50
250	0,85
500	0,95
1000	0,90
2000	0,90
4000	0,80

**SP Swedish National Testing and Research Institute**  
Acoustics

Hans Jonasson  
Technical Manager

Mohammad Jalalian  
Technical Officer