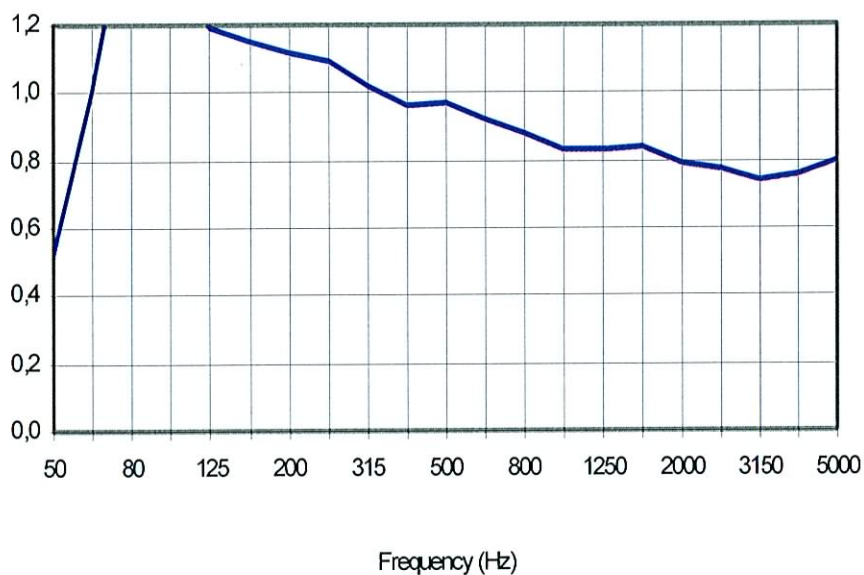


## Measurement of sound absorption coefficient

Test	Measurement of sound absorption coefficient in a reverberation room according to EN ISO 354 and evaluation according to EN ISO 11654		
Client	Sounds of Science Oû Pontus Randén		
Object	Corner absorber:	Description: Six units of corner absorbers mounted in pair of two absorbers according to figure 5 and 6.	
Date of test	August 30, 2011		
Conditions	Mounting depth:	450 mm.	
	Surface area:	3,6 m <sup>2</sup> .	
	Room volume:	200 m <sup>3</sup> .	
	Temperature at measurement on object/in empty room:	22/ 22 °C.	
	Relative humidity at measurement on object/in empty room:	78/ 80 %.	
Result	Weighted sound absorption coefficient $\alpha_w = 0,85(L)$ .		

Sound absorption coefficient

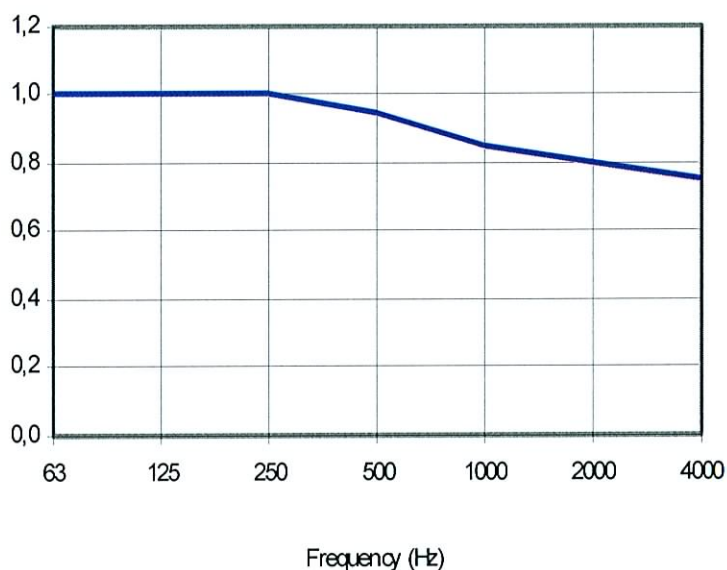


Frequency (Hz)	$\alpha_s$
50	0,52
63	1,00
80	1,62
100	1,56
125	1,19
160	1,15
200	1,12
250	1,09
315	1,02
400	0,96
500	0,97
630	0,92
800	0,88
1000	0,83
1250	0,83
1600	0,84
2000	0,79
2500	0,77
3150	0,74
4000	0,76
5000	0,80

## Measurement of sound absorption coefficient

**Test** Measurement of sound absorption coefficient in a reverberation room according to EN ISO 354 and evaluation according to EN ISO 11654  
**Client** Sounds of Silence  
 Pontus Randén  
**Object** Corner absorber:  
 Description: Six units of corner absorbers mounted in pair of two absorbers according to figure 5 and 6.  
**Date of test** August 30, 2011  
**Conditions** Mounting depth: 450 mm.  
 Surface area: 3,6 m<sup>2</sup>.  
 Room volume: 200 m<sup>3</sup>.  
 Temperature at measurement on object/in empty room: 22/ 22 °C.  
 Relative humidity at measurement on object/in empty room: 78/ 80 %.  
**Result** Weighted sound absorption coefficient  $\alpha_w = 0,85(L)$ .

### Practical sound absorption coefficient



Frequency (Hz)	$\alpha_p$
63	1,00
125	1,00
250	1,00
500	0,95
1000	0,85
2000	0,80
4000	0,75