

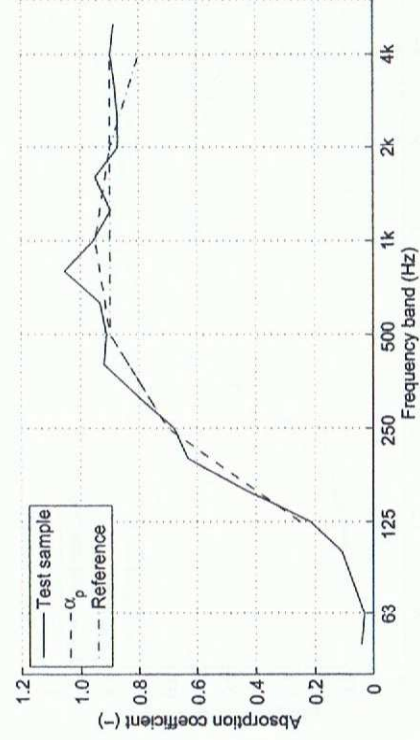
SOUND ABSORPTION COEFFICIENT ACCORDING TO ISO 354 AND ISO 11654

Measurement of sound absorption coefficient in a reverberation room

Client: Fellert Acoustical Ceilings AB

Object: Fellert Even Better Silk on 39 mm
glass fibre board (density 96 kg/m³)
Type A mounting

Frequency (Hz)	α_s (-)	α_p (-)
50	0.04	
63	0.03	0.05
80	0.07	
100	0.11	
125	0.22	0.25
160	0.45	
200	0.63	
250	0.68	0.70
315	0.80	
400	0.92	
500	0.91	0.90
630	0.93	
800	1.05	
1000	0.96	0.95
1250	0.90	
1600	0.95	
2000	0.87	0.90
2500	0.87	
3150	0.88	
4000	0.90	0.90
5000	0.89	



$\alpha_w = 0.90$ (Absorption class A)

Date of test: 12-02-12

Object surface: 8.9 m²

Relative humidity: 48 %

Date: 12-02-28

Reverberation room volume: 200 m³

Temperature: 6 °C

Test report 12-27-M6

Signature: Magnus Karlsson

