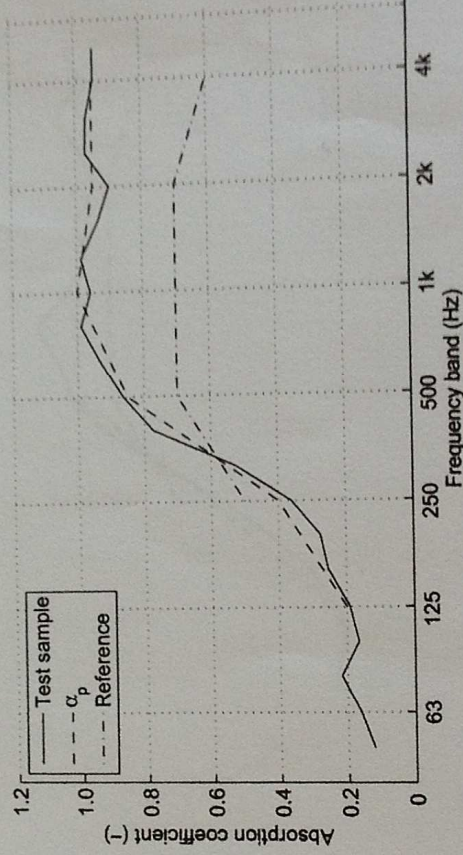


SOUND ABSORPTION COEFFICIENT ACCORDING TO ISO 354 AND ISO 11654

Measurement of sound absorption coefficient in a reverberation room

Client: Fellert Acoustical Ceilings AB
Object: Fellert Even Better Secern/Sahara on
25 mm glass fibre board (density 96
kg/m³) + 12,5 mm gypsum board
Type E-400 mounting

Frequency (Hz)	α_s (-)	α_p (-)
50	0.12	
63	0.16	0.15
80	0.22	
100	0.17	
125	0.19	0.20
160	0.25	
200	0.28	
250	0.36	0.40
315	0.53	
400	0.77	
500	0.86	0.85
630	0.93	
800	0.99	
1000	0.96	1.00
1250	0.99	
1600	0.93	
2000	0.90	0.95
2500	0.97	
3150	0.97	
4000	0.94	0.95
5000	0.94	



$\alpha_w = 0.70$ (MH) (Absorption class C)

Date of test: 12-02-12
Date: 12-02-28

Object surface: 8.9 m²
Reverberation room volume: 200 m³
Relative humidity: 48 %
Temperature: 6 °C

Test report 12-27-M3

Signature: Magnus Karlsson

