

# Even Better 3 mm (1/8 inch) on 12,5 mm (1/2 inch) GWB, Type A mounting

SOUND ABSORPTION COEFFICIENT ACCORDING TO ISO 354 AND ISO 11654

Measurement of sound absorption coefficient in a reverberation room



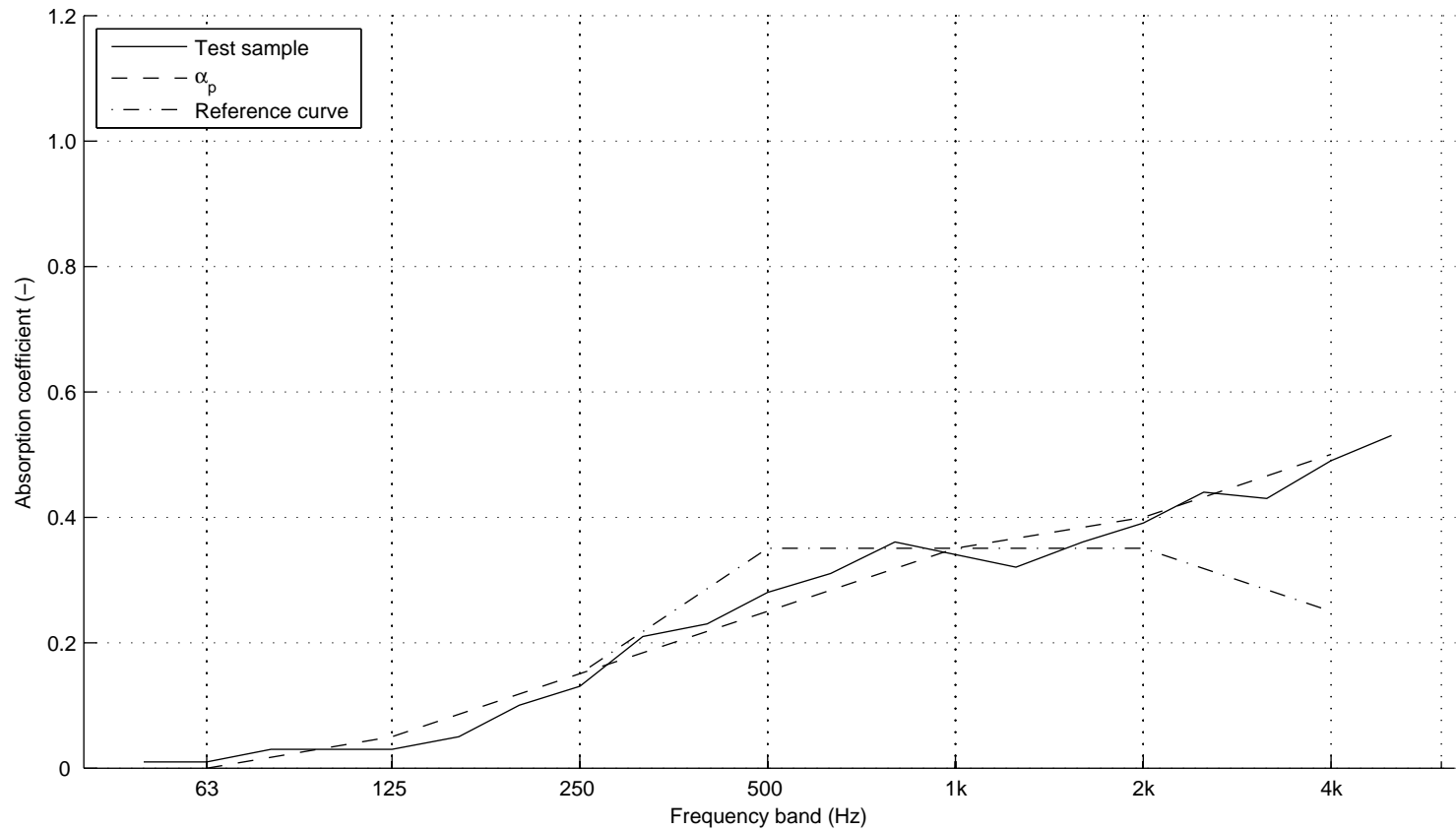
Report number:  
14-10-R1-M1  
Date  
2014-03-07

Frequency f [Hz]	Sound absorption coefficient	
	$\alpha_s$	$\alpha_p$
50	0.01	
63	0.01	0.00
80	0.03	
100	0.03	
125	0.03	0.05
160	0.05	
200	0.10	
250	0.13	0.15
315	0.21	
400	0.23	
500	0.28	0.25
630	0.31	
800	0.36	
1000	0.34	0.35
1250	0.32	
1600	0.36	
2000	0.39	0.40
2500	0.44	
3150	0.43	
4000	0.49	0.50
5000	0.53	

Client: Fellert Acoustical Ceilings AB  
 Manufacturer: Fellert Acoustical Ceilings AB  
 Product identification: Even Better  
 Description of test specimen: Even Better 3 mm (1/8 inch) on 12,5 mm (1/2 inch) GWB Type A mounting

Reverberation room volume: 200 m<sup>3</sup>  
 Temperature: 14 °C (empty: 14 °C)  
 Air humidity: 53% (empty: 53%)  
 Air pressure: 99.8 kPa (empty: 99.8 kPa)  
 Size of specimen: 10.8 m<sup>2</sup>

Measurement date: 2014-03-05  
 Measured by: Magnus Karlsson



$\alpha_w = 0.35(H)$

Absorption class = D