

Even Better Sahara on 39 mm (1,5 inch) absorbent board (96 kg/m³), type A mounting

SOUND ABSORPTION COEFFICIENT ACCORDING TO ISO 354 AND ISO 11654

Measurement of sound absorption coefficient in a reverberation room

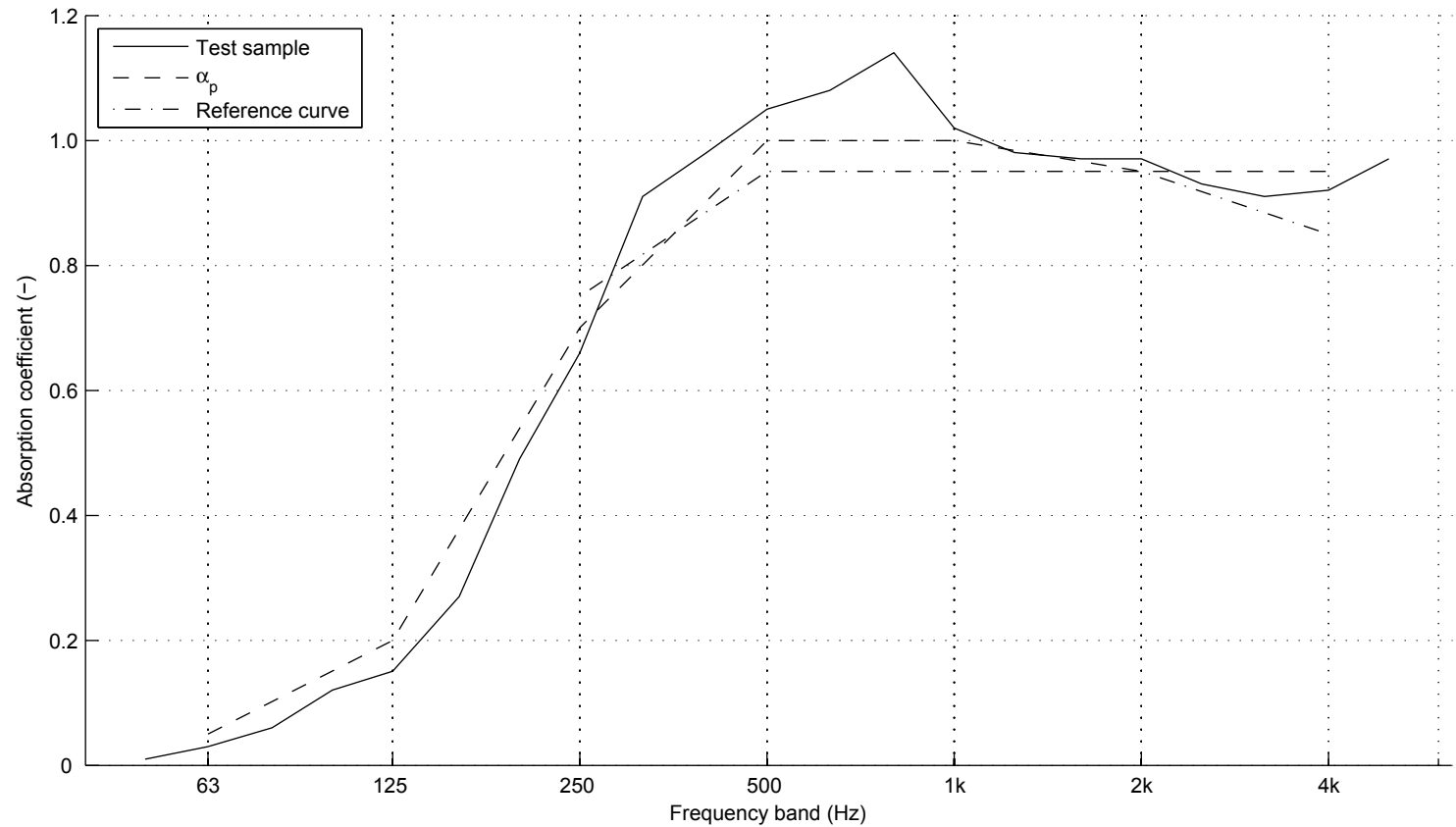


Report number:
14-10-R1-M4
Date
2014-03-07

Frequency f [Hz]	Sound absorption coefficient	
	α_s	α_p
50	0.01	
63	0.03	0.05
80	0.06	
100	0.12	
125	0.15	0.20
160	0.27	
200	0.49	
250	0.66	0.70
315	0.91	
400	0.98	
500	1.05	1.00
630	1.08	
800	1.14	
1000	1.02	1.00
1250	0.98	
1600	0.97	
2000	0.97	0.95
2500	0.93	
3150	0.91	
4000	0.92	0.95
5000	0.97	

Client: Fellert Acoustical Ceilings AB
 Manufacturer: Fellert Acoustical Ceilings AB
 Product identification: Even Better Sahara
 Description of test specimen: Even Better Sahara on 39 mm (1,5 inch) absorbent board (96 kg/m³) Type A mounting

Reverberation room volume: 200 m³
 Temperature: 13 °C (empty: 14 °C)
 Air humidity: 54 % (empty: 53 %)
 Air pressure: 99.8 kPa (empty: 99.8 kPa)
 Size of specimen: 8.93 m²
 Measurement date: 2014-03-05
 Measured by: Magnus Karlsson



$\alpha_w = 0.95$

Absorption class = A