

# Even Better Sahara on 39 mm (1,5 inch) absorbent board (96 kg/m<sup>3</sup>), type E-200 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-M11

Date

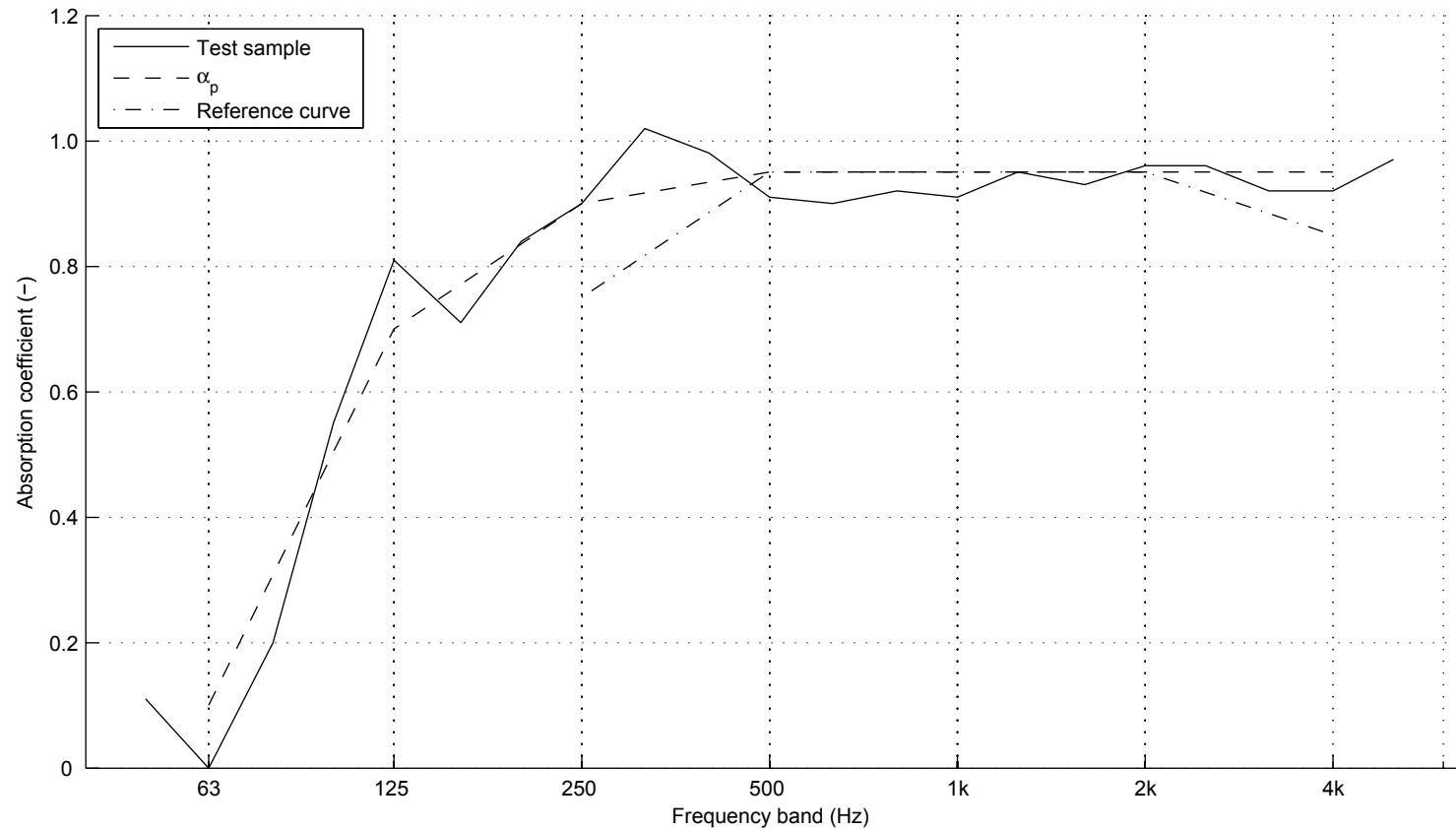
2014-03-27

Frequency f [Hz]	Sound absorption coefficient	
	$\alpha_s$	$\alpha_p$
50	0.11	
63	0.00	0.10
80	0.20	
100	0.55	
125	0.81	0.70
160	0.71	
200	0.84	
250	0.90	0.90
315	1.02	
400	0.98	
500	0.91	0.95
630	0.90	
800	0.92	
1000	0.91	0.95
1250	0.95	
1600	0.93	
2000	0.96	0.95
2500	0.96	
3150	0.92	
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/m<sup>3</sup>) Type E-200 mounting

Reverberation room volume: 200 m<sup>3</sup>  
 Temperature: 14 °C (empty: 14 °C)  
 Air humidity: 52 % (empty: 53 %)  
 Air pressure: 99.7 kPa (empty: 99.8 kPa)  
 Size of specimen: 8.93 m<sup>2</sup>

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



$\alpha_w = 0.95$

Absorption class = A