

# Even Better Sahara on 25 mm (1,0 inch) absorbent board (96 kg/m<sup>3</sup>), type E-400 mounting

SOUND ABSORPTION COEFFICIENT PER ASTM C423-09A

Measurement of sound absorption coefficient by the reverberation room method

Report number:

14-10-R2-M10

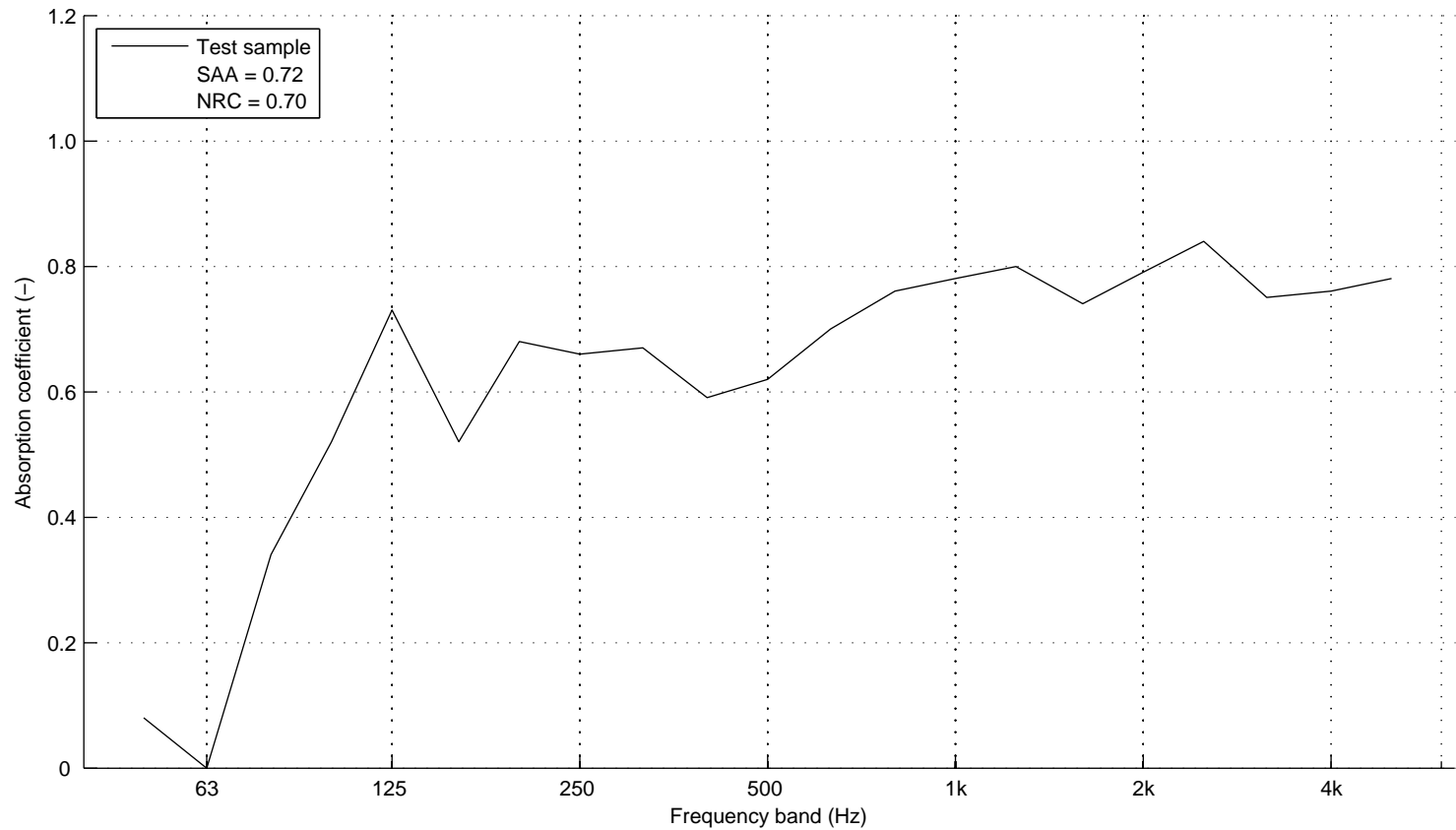
Date

2014-03-07

Frequency f [Hz]	Sound absorption coefficient $\alpha$
50	0.08
63	0.00
80	0.34
100	0.52
125	0.73
160	0.52
200	0.68
250	0.66
315	0.67
400	0.59
500	0.62
630	0.70
800	0.76
1000	0.78
1250	0.80
1600	0.74
2000	0.79
2500	0.84
3150	0.75
4000	0.76
5000	0.78

Client: Fellert Acoustical Ceilings AB  
 Manufacturer: Fellert Acoustical Ceilings AB  
 Product identification: Even Better Sahara  
 Description of test specimen: Even Better Sahara on 25 mm (1,0 inch) absorbent board (96 kg/m<sup>3</sup>)  
 Type E-400 mounting per ASTM E795

Reverberation room volume: 200 m<sup>3</sup>  
 Temperature: 14 °C (empty: 14 °C)  
 Air humidity: 52% (empty: 53%)  
 Air pressure: 101.3 kPa (empty: 99.8 kPa)  
 Size of specimen: 8.93 m<sup>2</sup>  
 Area weight: 2.9 kg/m<sup>2</sup>  
 Measurement date: 2014-03-05  
 Measured by: Magnus Karlsson



Sound Absorption Average (SAA): 0.72

Noise Reduction Coefficient (NRC): 0.70