

Even Better Sahara on 39 mm (1,5 inch) absorbent board (96 kg/m³), 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-M11

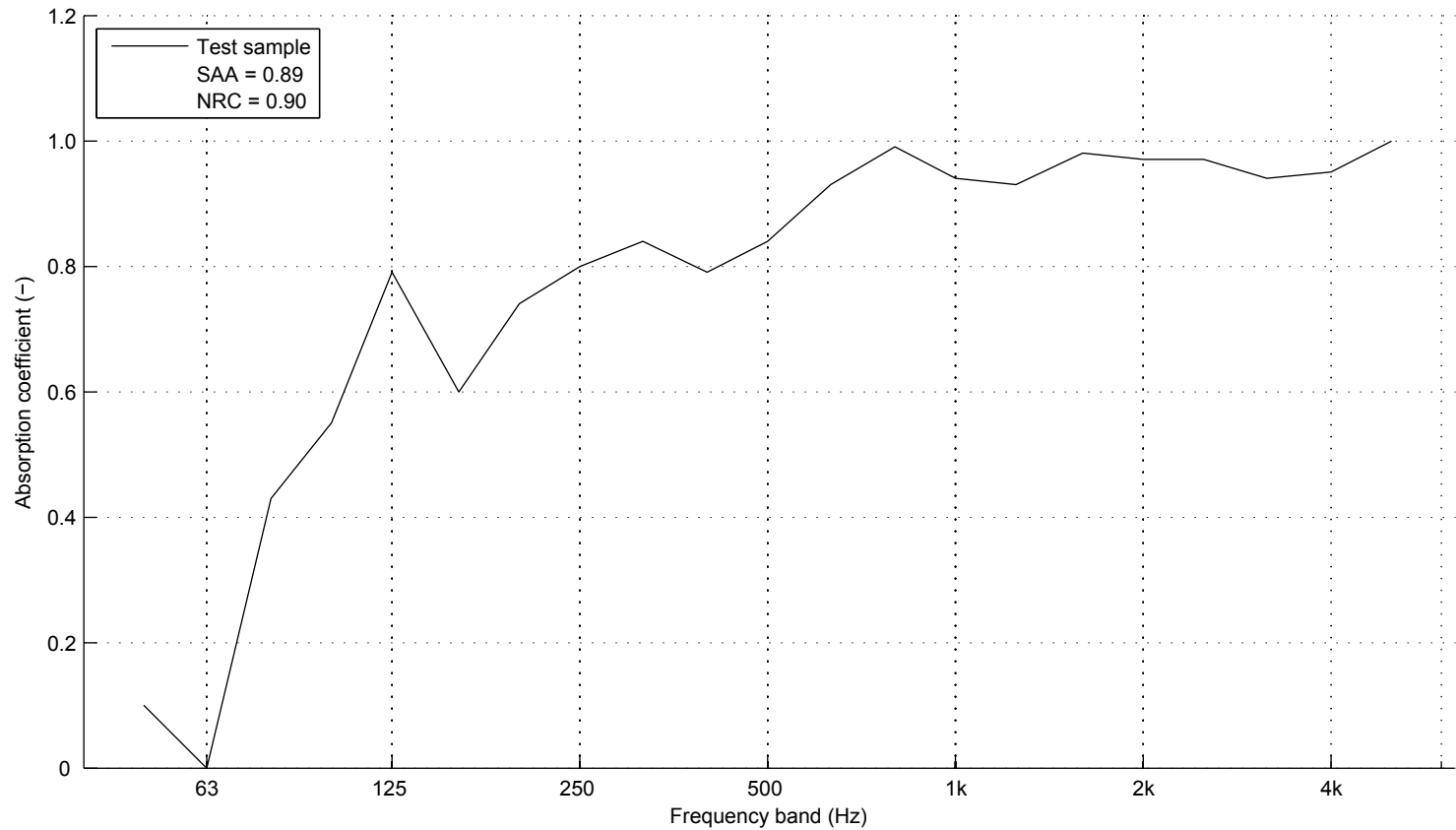
Date

2014-03-27

Frequency f [Hz]	Sound absorption coefficient α
50	0.10
63	0.00
80	0.43
100	0.55
125	0.79
160	0.60
200	0.74
250	0.80
315	0.84
400	0.79
500	0.84
630	0.93
800	0.99
1000	0.94
1250	0.93
1600	0.98
2000	0.97
2500	0.97
3150	0.94
4000	0.95
5000	1.00

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 E-400 mounting per ASTM E795

Reverberation room volume: 200 m³
 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 m²
 Area weight: 4.2 kg/m²
 Measurement date: 2014-03-05
 Measured by: Magnus Karlsson



Sound Absorption Average (SAA): 0.89

Noise Reduction Coefficient (NRC): 0.90