

Even Better New England on 39 mm (1,5 inch) acoustical board (density: 96 kg/m3) Type A mounting

SOUND ABSORPTION COEFFICIENT PER ASTM C423-09A

Measurement of sound absorption coefficient by the reverberation room method

Report number:

16-259-R2-M4

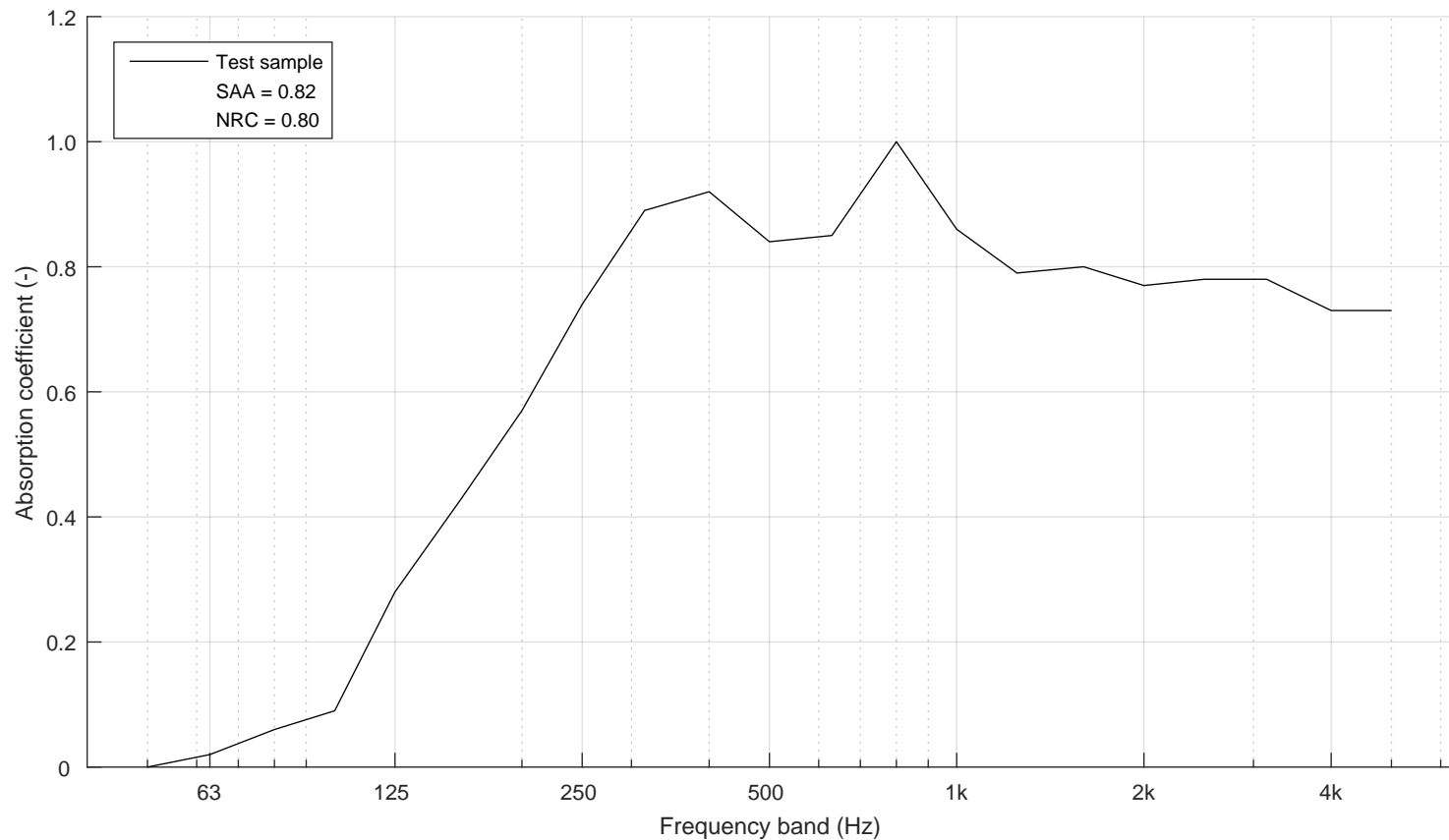
Date

2016-12-01

Frequency f [Hz]	Sound absorption coefficient α
50	0.00
63	0.02
80	0.06
100	0.09
125	0.28
160	0.43
200	0.57
250	0.74
315	0.89
400	0.92
500	0.84
630	0.85
800	1.00
1000	0.86
1250	0.79
1600	0.80
2000	0.77
2500	0.78
3150	0.78
4000	0.73
5000	0.73

Client: Fellert Acoustical Ceilings AB
 Manufacturer: Fellert Acoustical Ceilings AB
 Product identification: Fellert Even Better New England
 Description of test specimen: 39 mm (1,5 inch) acoustical board (density: 96 kg/m3)
 Type A mounting per ASTM E795
 Weight: 4,2 kg/m2

Reverberation room volume: 200 m³
 Temperature: 13.9 °C (empty: 15.2 °C)
 Air humidity: 38 % (empty: 38 %)
 Air pressure: 99.4 kPa (empty: 99.3 kPa)
 Size of specimen: 10 m²
 Area weight: 4,2 kg/m²
 Measurement date: 2016-11-30
 Measured by: Magnus Karlsson



Sound Absorption Average (SAA): 0.82

Noise Reduction Coefficient (NRC): 0.80