

Convex Square 60 7.2 sqm

SOUND ABSORPTION COEFFICIENT PER ASTM C423-17

Measurement of sound absorption coefficient by the reverberation room method

Report number:

19-725-M4

Date

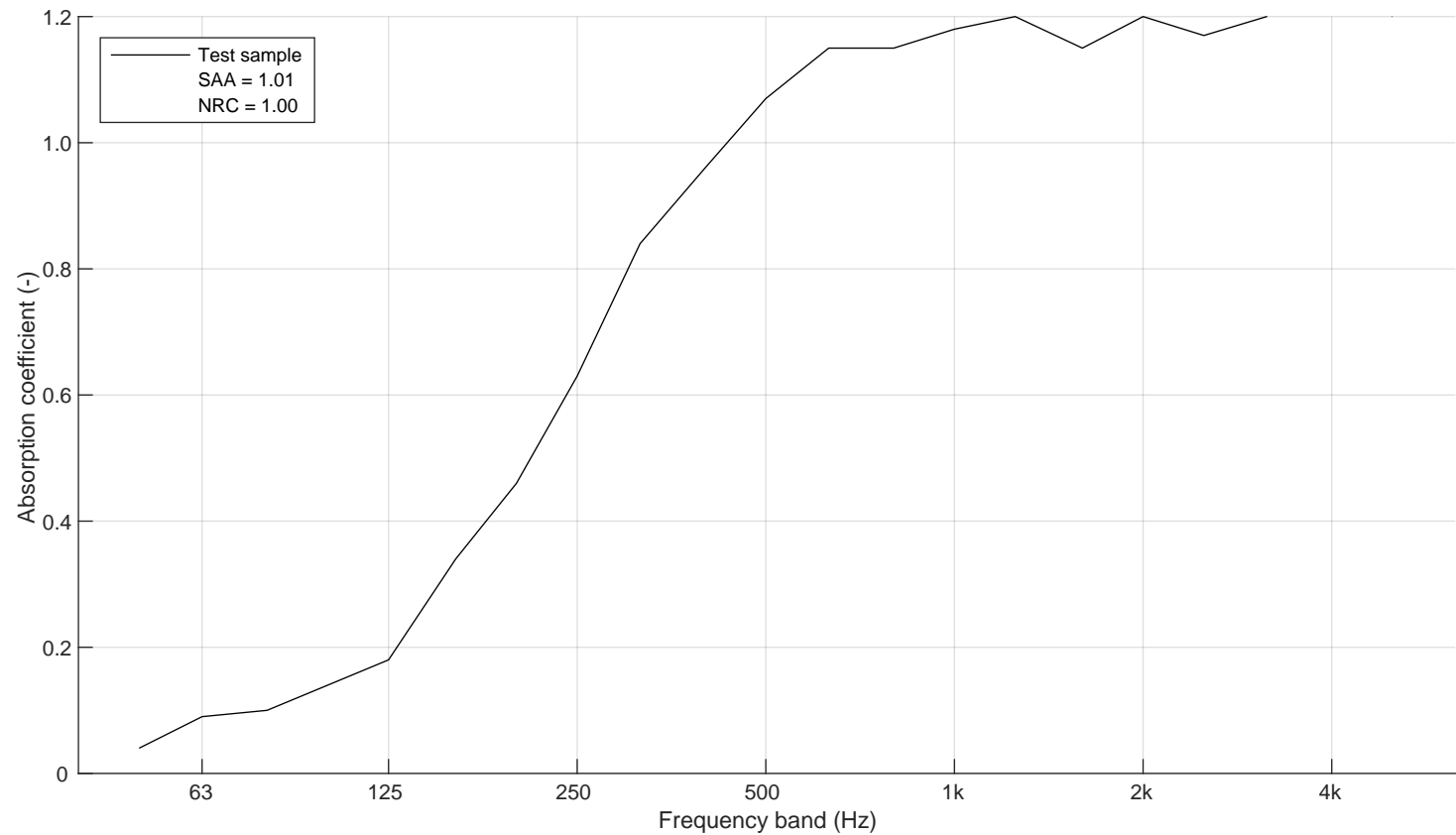
2019-12-17

Frequency f [Hz]	Sound absorption coefficient α
50	0.04
63	0.09
80	0.10
100	0.14
125	0.18
160	0.34
200	0.46
250	0.63
315	0.84
400	0.96
500	1.07
630	1.15
800	1.15
1000	1.18
1250	1.20
1600	1.15
2000	1.20
2500	1.17
3150	1.20
4000	1.22
5000	1.20

Client: Nordgröna AB
Manufacturer: Nordgröna AB
Product identification: Convex Square 60 (C-SQ-60)

Description of test specimen: Convex sound absorber made of reindeer moss on a back plate of MDF. Square shape with measurement 600 mm x 600 mm. Maximum height 120 mm.

Reverberation room volume: 200 m³
Temperature: 16.9 °C (empty: 15.7 °C)
Air humidity: 40 % (empty: 44 %)
Air pressure: 97.9 kPa (empty: 97.9 kPa)
Size of specimen: 7.2 m²
Area weight: 27500 kg/m²
Measurement date: 2019-12-11
Measured by: Joachim Schubert



Sound Absorption Average (SAA): 1.01

Noise Reduction Coefficient (NRC): 1.00