

Saga

SOUND ABSORPTION COEFFICIENT PER ASTM C423-17

Measurement of sound absorption coefficient by the reverberation room method

Report number:

20-755-M2

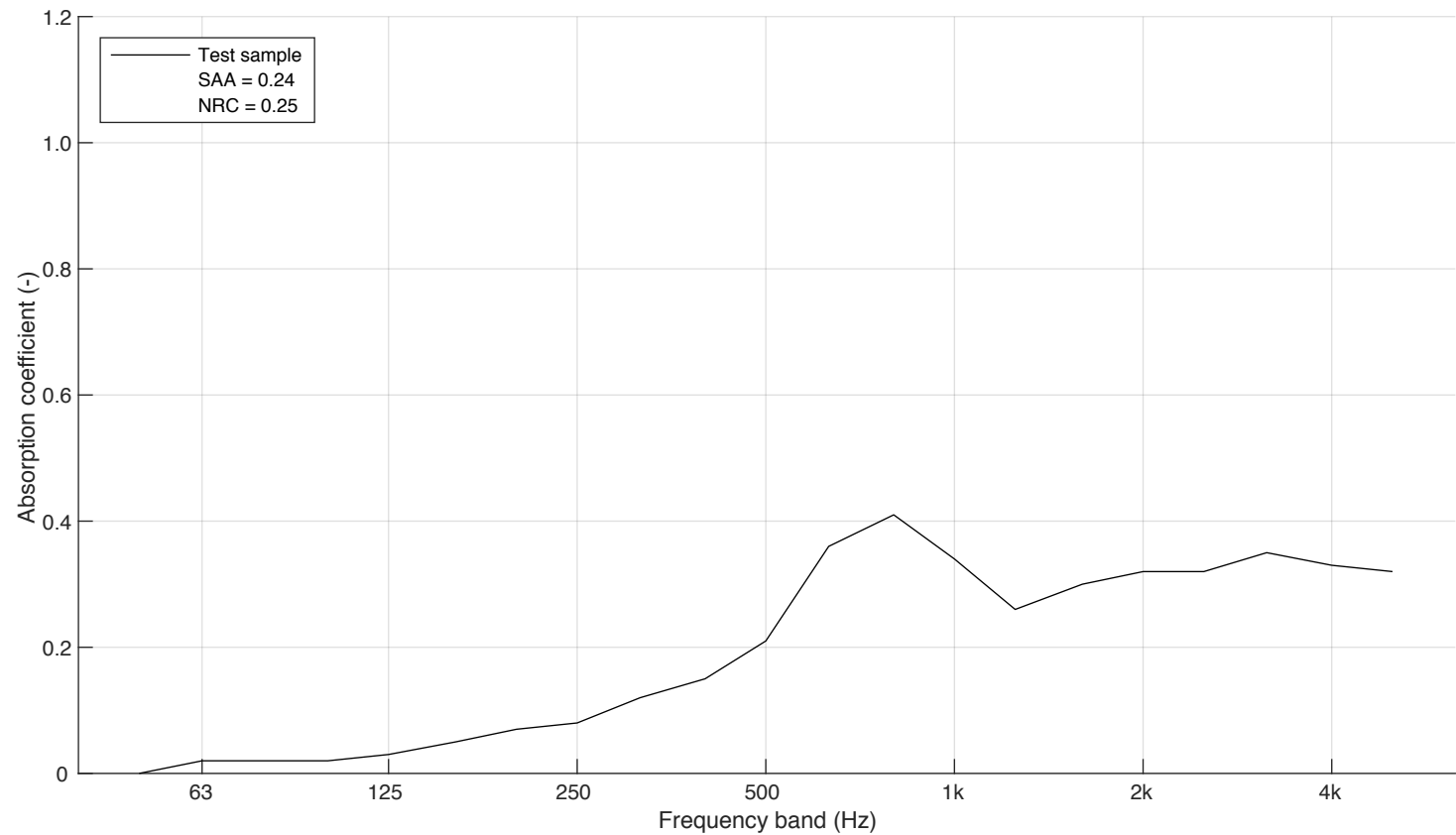
Date

2021-01-07

Frequency f [Hz]	Sound absorption coefficient α
50	0.00
63	0.02
80	0.02
100	0.02
125	0.03
160	0.05
200	0.07
250	0.08
315	0.12
400	0.15
500	0.21
630	0.36
800	0.41
1000	0.34
1250	0.26
1600	0.30
2000	0.32
2500	0.32
3150	0.35
4000	0.33
5000	0.32

Client: Nordgröna
Manufacturer: Nordgröna
Product identification: Saga
Description of test specimen: Cork tiles placed directly on floor, type A mounting

Reverberation room volume: 200 m³
Temperature: 17.0 °C (empty: 17.0 °C)
Air humidity: 49% (empty: 49%)
Air pressure: 99.2 kPa (empty: 99.2 kPa)
Size of specimen: 6.7 m²
Area weight: 9 kg/m²
Measurement date: 2020-12-18
Measured by: Johan Jernstedt



Sound Absorption Average (SAA): 0.24

Noise Reduction Coefficient (NRC): 0.25