

Pixel 7.2 sqm

SOUND ABSORPTION COEFFICIENT PER ASTM C423-17

Measurement of sound absorption coefficient by the reverberation room method

Report number:

19-725-M7

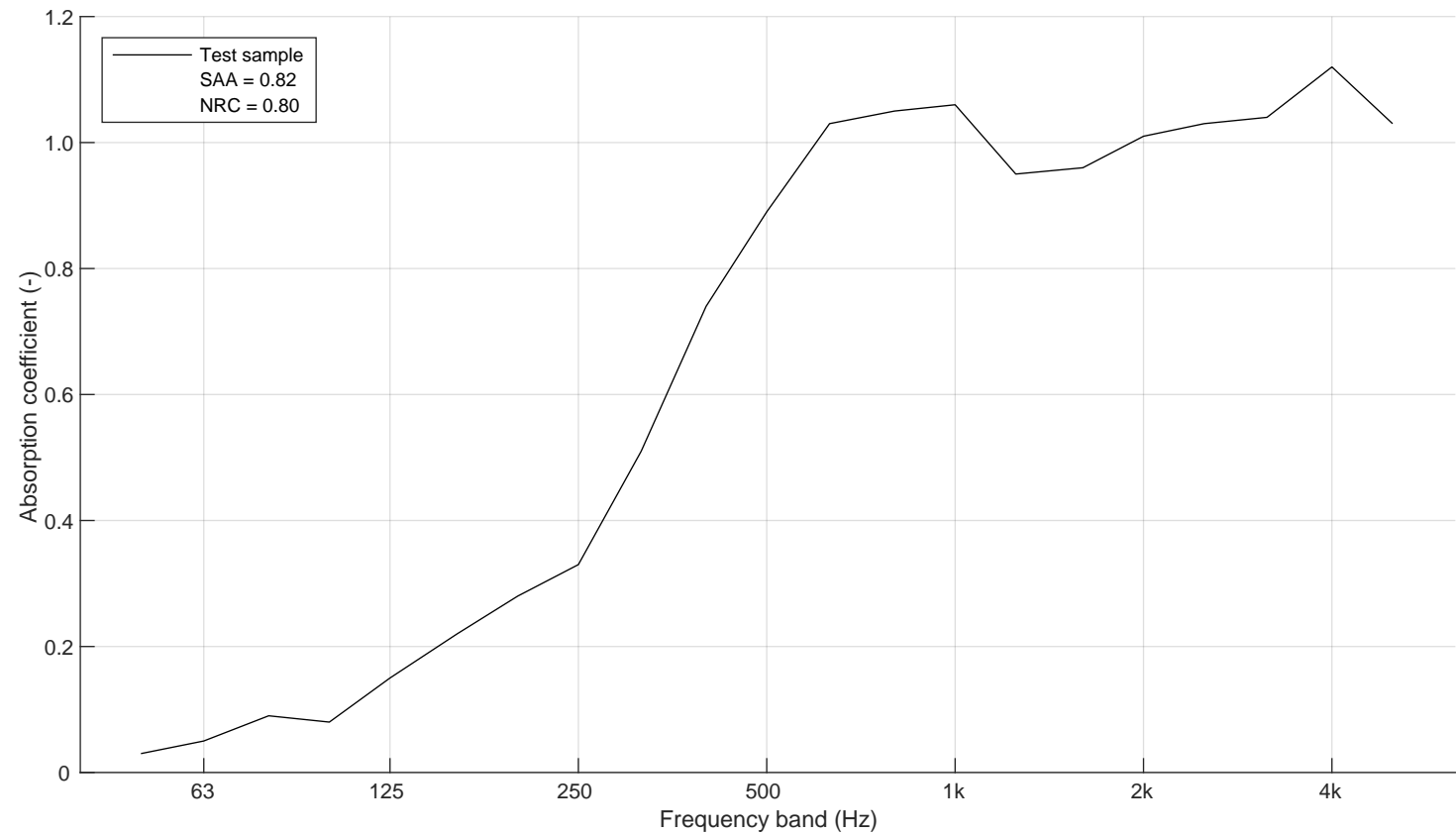
Date

2019-12-18

Frequency f [Hz]	Sound absorption coefficient α
50	0.03
63	0.05
80	0.09
100	0.08
125	0.15
160	0.22
200	0.28
250	0.33
315	0.51
400	0.74
500	0.89
630	1.03
800	1.05
1000	1.06
1250	0.95
1600	0.96
2000	1.01
2500	1.03
3150	1.04
4000	1.12
5000	1.03

Client: Nordgröna AB
Manufacturer: Nordgröna AB
Product identification: Pixel
Description of test specimen: Sound absorber made of small squares, Pixels, made of reindeer moss.
Measurement of one Pixel is 50x50 mm and height 60 mm.
Delivered on pads with 12 Pixels. Tested directly on the floor.

Reverberation room volume: 200 m³
Temperature: 16.2 °C (empty: 15.7 °C)
Air humidity: 43 % (empty: 44 %)
Air pressure: 97.9 kPa (empty: 97.9 kPa)
Size of specimen: 7.2 m²
Area weight: 14000 kg/m²
Measurement date: 2019-12-11
Measured by: Joachim Schubert



Sound Absorption Average (SAA): 0.82

Noise Reduction Coefficient (NRC): 0.80