

Pixel 5.5 sqm scattered

SOUND ABSORPTION AREA ACCORDING TO ISO 354 AND SS 25269

Measurement of sound absorption area in a reverberation room



Report number:
19-725-M8
Date
2019-12-18

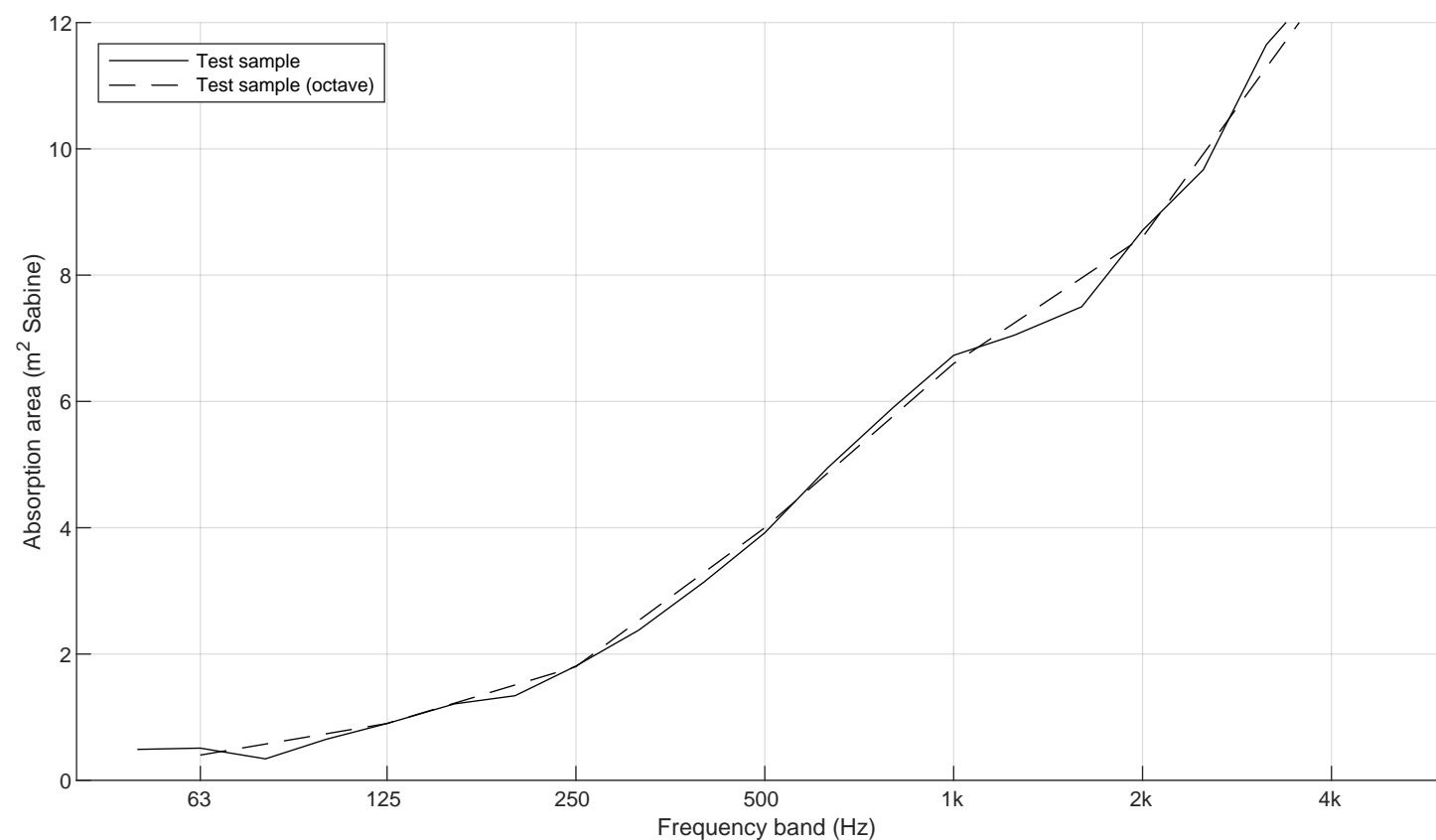
Frequency f [Hz]	Sound absorption area [m ² Sabine]	
50	0.49	
63	0.51	0.4
80	0.34	
100	0.65	
125	0.90	0.9
160	1.21	
200	1.34	
250	1.81	1.8
315	2.38	
400	3.14	
500	3.92	4.0
630	4.95	
800	5.90	
1000	6.73	6.6
1250	7.05	
1600	7.50	
2000	8.71	8.6
2500	9.67	
3150	11.65	
4000	12.81	12.7
5000	13.52	

Client: Nordgröna AB
Manufacturer: Nordgröna AB
Product identification: Pixel 5.5 sqm scattered

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.
5.5 sqm scattered directly on the floor covering approximately 43% of the total floor surface.

Reverberation room volume: 200 m³
Temperature: 16.0 °C (empty: 15.7 °C)
Air humidity: 48 % (empty: 44 %)
Air pressure: 97.9 kPa (empty: 97.9 kPa)
Number of specimens: 1

Measurement date: 2019-12-11
Measured by: Joachim Schubert



$N_{10} = 2.5$