

Convex Square 60 per panel

SOUND ABSORPTION AREA ACCORDING TO ISO 354 AND SS 25269

Measurement of sound absorption area in a reverberation room



Report number:
19-725-M5
Date
2019-12-18

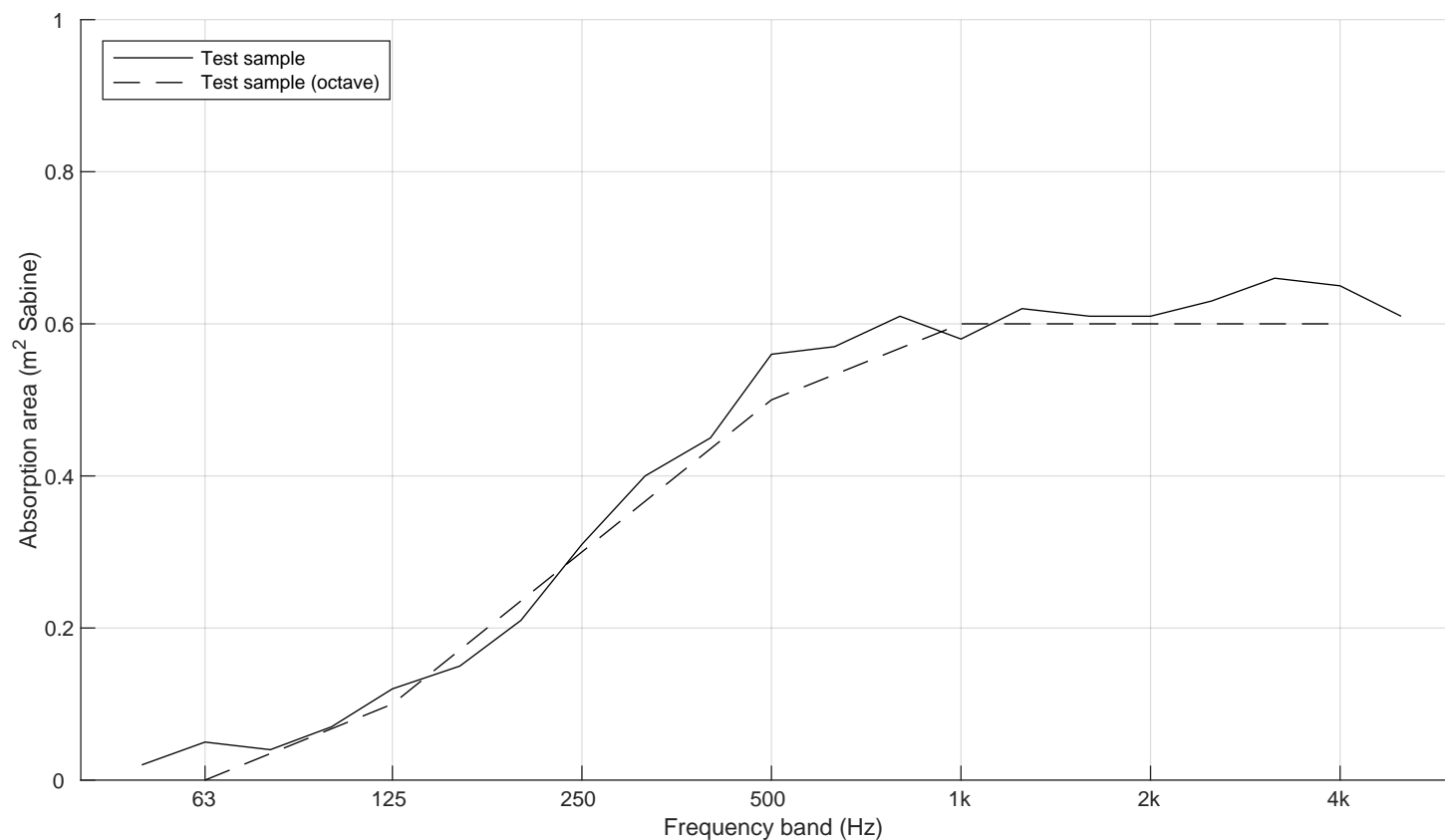
Frequency f [Hz]	Sound absorption area [m ² Sabine]	
50	0.02	
63	0.05	0.0
80	0.04	
100	0.07	
125	0.12	0.1
160	0.15	
200	0.21	
250	0.31	0.3
315	0.40	
400	0.45	
500	0.56	0.5
630	0.57	
800	0.61	
1000	0.58	0.6
1250	0.62	
1600	0.61	
2000	0.61	0.6
2500	0.63	
3150	0.66	
4000	0.65	0.6
5000	0.61	

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. Evaluation valid for 1 panel. The graph scaling deviates from ISO 354 to increase readability.

Reverberation room volume: 200 m³
Temperature: 16.7 °C (empty: 18.6 °C)
Air humidity: 41 % (empty: 37 %)
Air pressure: 97.9 kPa (empty: 97.8 kPa)
Number of specimens: 7

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



$N_{10} = 20$