

Note - Group of 6 panels as one object

SOUND ABSORPTION AREA ACCORDING TO SS-EN ISO 354:2003 and ISO 20189:2018

Measurement of sound absorption area in a reverberation room



Report number:

3333-M2

Date

2024-01-25

Frequency f [Hz]	Sound absorption area per object [m ² Sabine]	
50	0.08	
63	0.12	0.14
80	0.22	
100	0.35	
125	0.58	0.58
160	0.81	
200	1.04	
250	1.44	1.6
315	2.34	
400	2.47	
500	2.78	2.7
630	2.73	
800	2.77	
1000	2.65	2.7
1250	2.65	
1600	2.40	
2000	2.38	2.4
2500	2.52	
3150	2.31	
4000	2.39	2.4
5000	2.45	

Client: Decibel By Johansson

Manufacturer: Decibel By Johansson

Product identification: Note

Description of test specimen: Sound absorbing panel 600 x 600 mm made of an MDF plate with Ecophon glass fiber filling. Height varying from 65 mm to 133 mm. Group of 6 panels as one object. Tested directly on the floor.

Reverberation room volume: 200 m³

Temperature: 16.5 °C (empty: 16.4 °C)

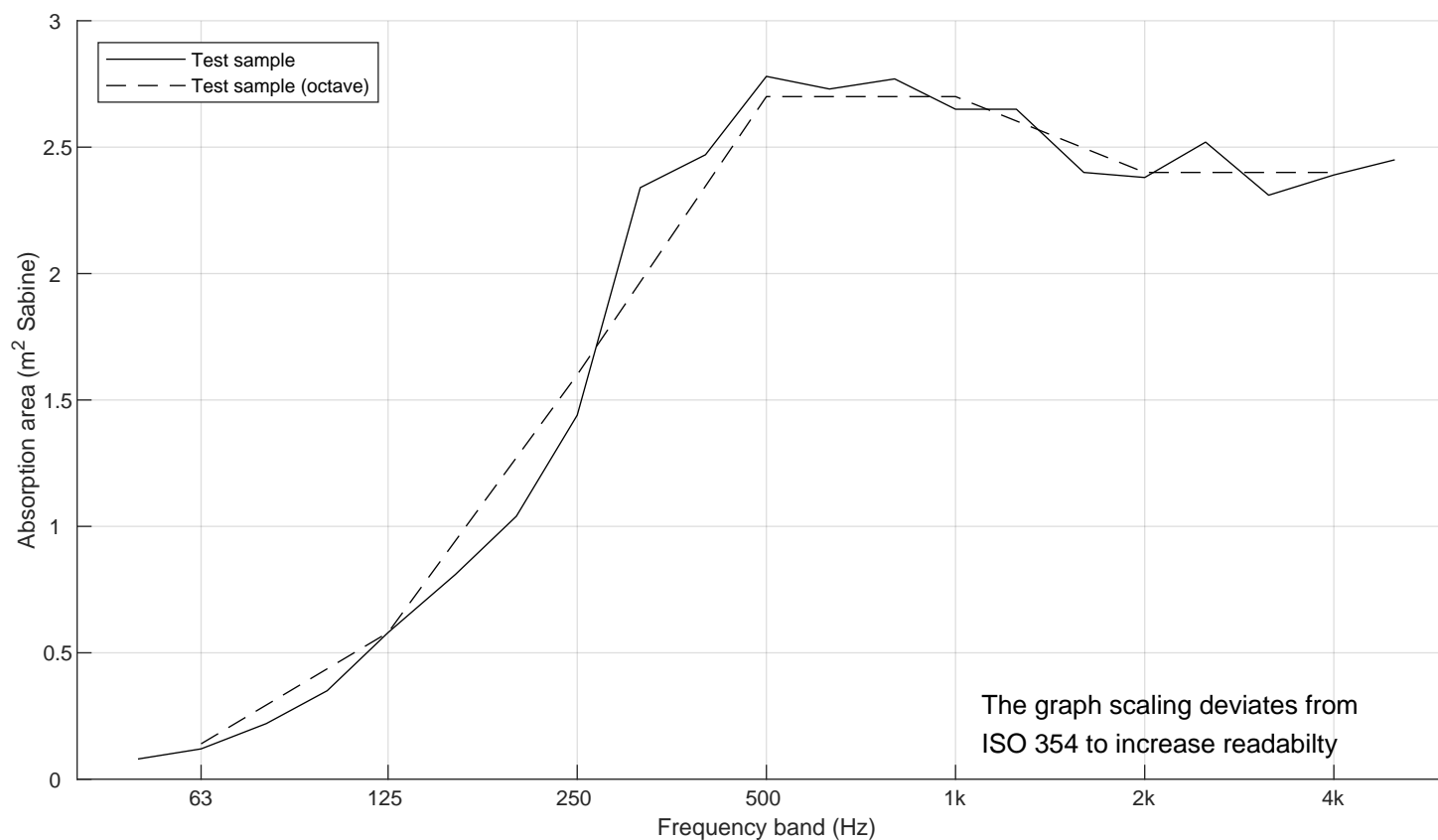
Air humidity: 44 % (empty: 44 %)

Air pressure: 100.5 kPa (empty: 100.5 kPa)

Number of objects: 2

Measurement date: 2023-12-18

Measured by: Joachim Schubert



$$N_{10} = 4.2$$