

Sound off Cirkel 1400 diameter

SOUND ABSORPTION AREA ACCORDING TO ISO 354 AND SS 25269

Measurement of sound absorption area in a reverberation room



Report number:
16-239-M19
Date
2017-01-16

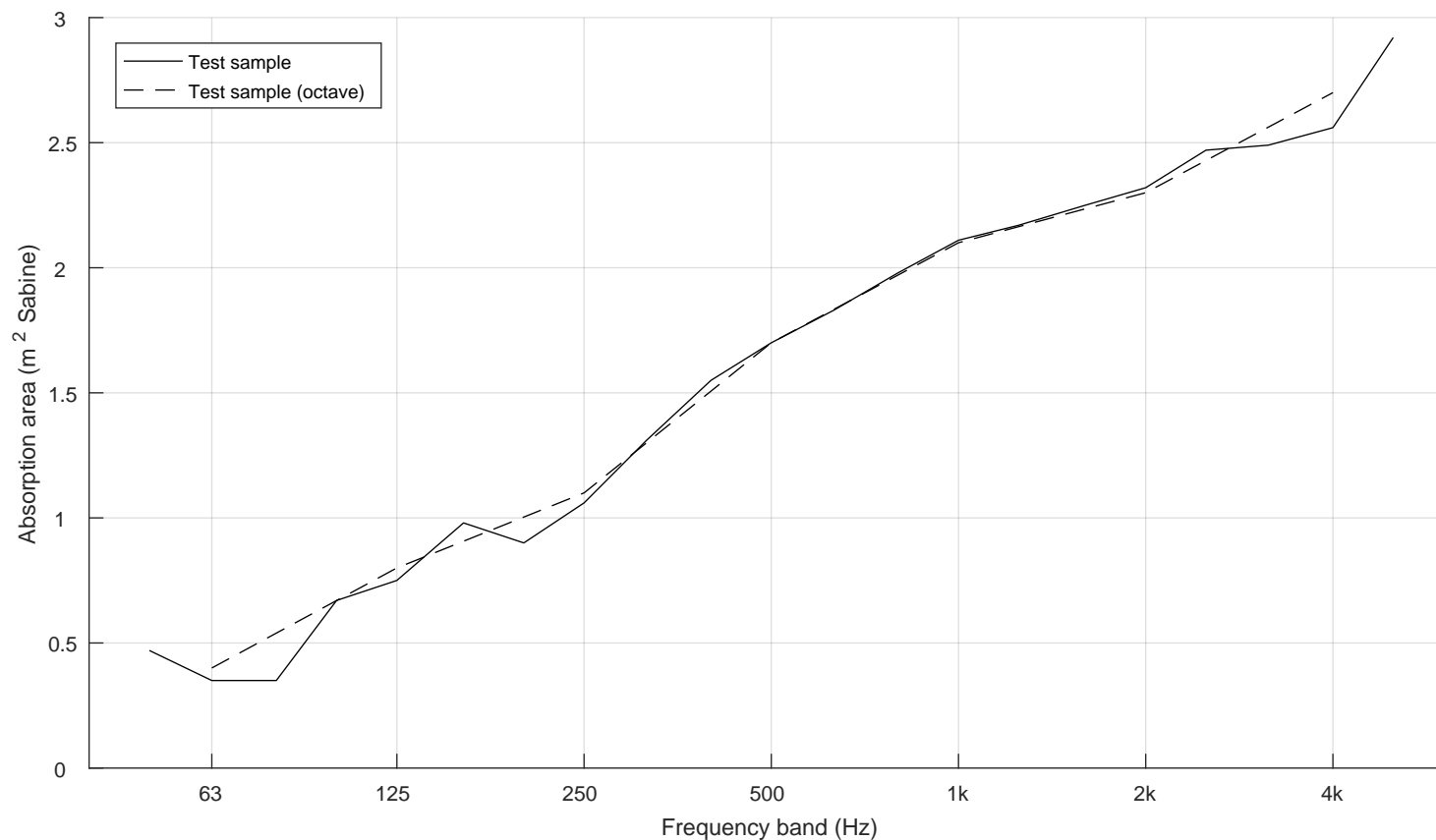
Frequency f [Hz]	Sound absorption area [m ² Sabine]	
50	0.47	
63	0.35	0.4
80	0.35	
100	0.67	
125	0.75	0.8
160	0.98	
200	0.90	
250	1.06	1.1
315	1.31	
400	1.55	
500	1.70	1.7
630	1.83	
800	1.98	
1000	2.11	2.1
1250	2.17	
1600	2.25	
2000	2.32	2.3
2500	2.47	
3150	2.49	
4000	2.56	2.7
5000	2.92	

Client: Akustikmiljö
 Manufacturer: Akustikmiljö
 Product identification: Sound off Cirkel 1400

Description of test specimen: Free hanging absorber, circular diameter 1400 mm. The graph scaling deviates from ISO 354 to increase readability.

Reverberation room volume: 200 m³
 Temperature: 15.8 °C (empty: 15.4 °C)
 Air humidity: 41 % (empty: 42 %)
 Air pressure: 100.1 kPa (empty: 100.1 kPa)
 Number of specimens: 2

Measurement date: 2016-12-14
 Measured by: Johan Jernstedt



$$N_{10} = 5.9$$