

Fri 1200x1200

SOUND ABSORPTION AREA ACCORDING TO ISO 354 AND SS 25269

Measurement of sound absorption area in a reverberation room



Report number:
19-728-M1
Date
2019-07-10

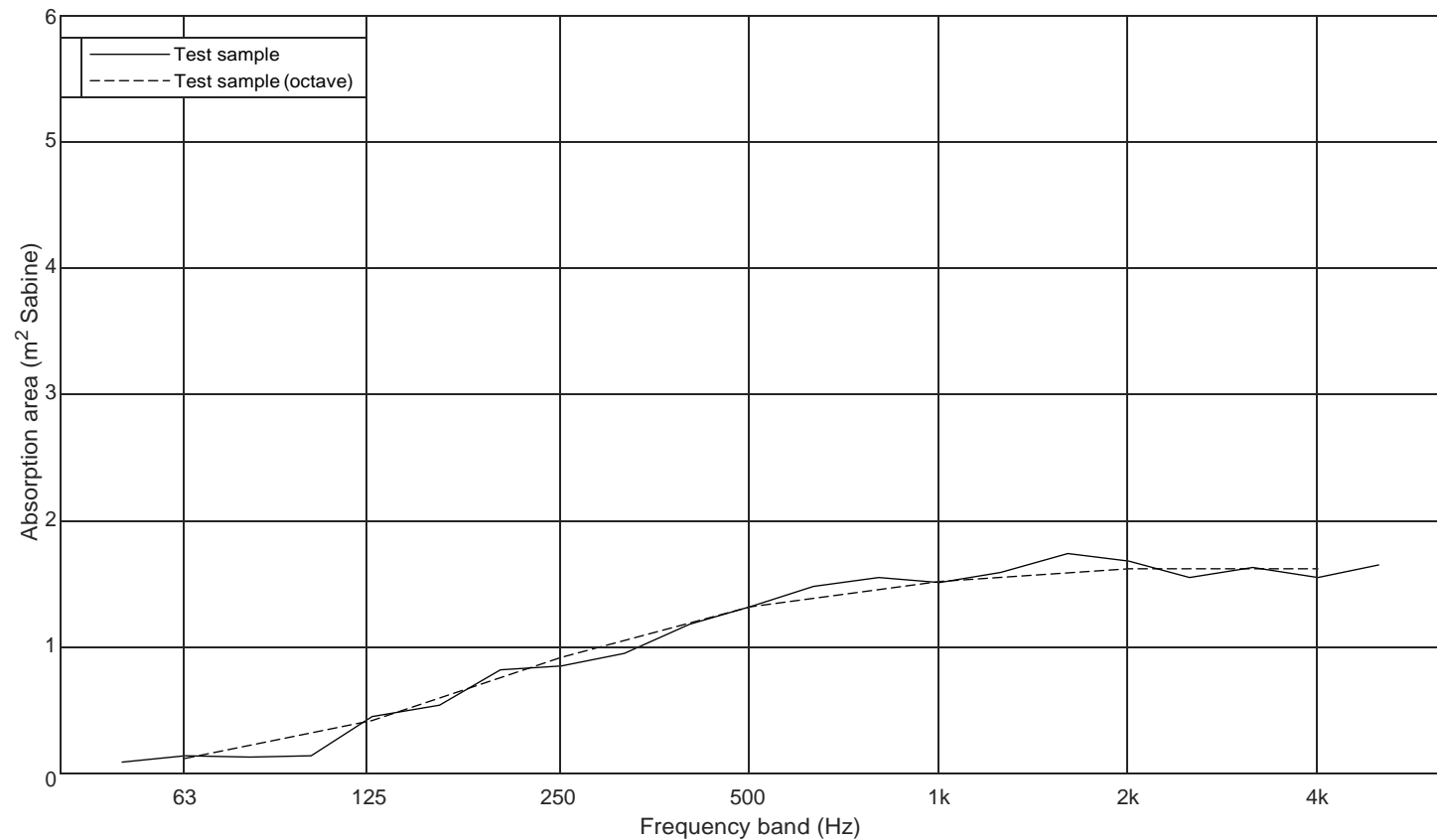
Frequency f [Hz]	Sound absorption area [m ² Sabine]	
50	0.07	
63	0.12	0.1
80	0.11	
100	0.12	
125	0.43	0.4
160	0.52	
200	0.80	
250	0.83	0.9
315	0.93	
400	1.16	
500	1.30	1.3
630	1.46	
800	1.53	
1000	1.49	1.5
1250	1.57	
1600	1.72	
2000	1.66	1.6
2500	1.53	
3150	1.61	
4000	1.53	1.6
5000	1.63	

Client: Din Akustik
 Manufacturer: Din Akustik
 Product identification: Fri

Description of test specimen: 1200x1200x50 mm. 100% recycled PET. Placed directly on floor.

Reverberation room volume: 200 m³
 Temperature: 19.0 °C (empty: 19.0 °C)
 Air humidity: 56 % (empty: 55 %)
 Air pressure: 100.0 kPa (empty: 100.0 kPa)
 Number of specimens: 3

Measurement date: 2019-06-25
 Measured by: Staffan Andersson



$$N_{10} = 7.7$$

Fri 1200x1200 (free-hanging)

SOUND ABSORPTION AREA ACCORDING TO ISO 354 AND SS 25269

Measurement of sound absorption area in a reverberation room



Report number:
19-728-M2
Date
2019-07-10

Frequency f [Hz]	Sound absorption area [m ² Sabine]	
50	0.38	
63	0.37	0.4
80	0.35	
100	0.33	
125	0.55	0.5
160	0.65	
200	0.92	
250	0.94	1.0
315	1.07	
400	1.21	
500	1.55	1.5
630	1.78	
800	1.71	
1000	1.86	1.8
1250	1.93	
1600	2.02	
2000	2.09	2.1
2500	2.14	
3150	2.25	
4000	2.28	2.3
5000	2.44	

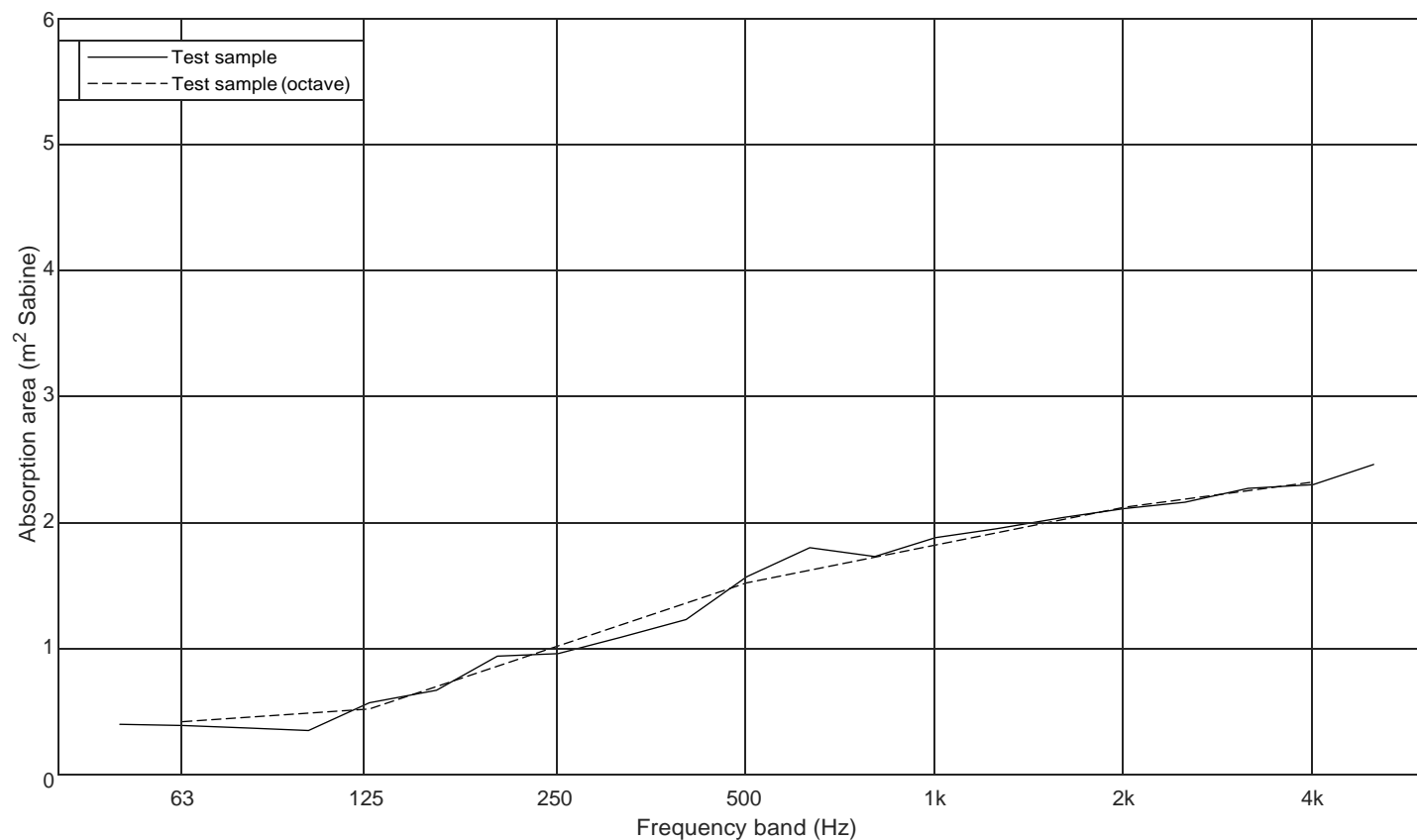
Client: Din Akustik
 Manufacturer: Din Akustik
 Product identification: Fri

Description of test specimen: 1200x1200x50 mm, 100% recycled PET. Hung free with wires.

Reverberation room volume: 200 m³
 Temperature: 19.0 °C (empty: 19.0 °C)
 Air humidity: 56 % (empty: 55 %)
 Air pressure: 100.0 kPa (empty: 100.0 kPa)
 Number of specimens: 3

Measurement date: 2019-06-25

Measured by: Staffan Andersson



$$N_{10} = 6.7$$