

Zilenzio Kyoto 90 degrees, 1300 mm height, 100 mm floor drop height

SOUND ABSORPTION AREA ACCORDING TO ISO 354 AND SS 25269

Measurement of sound absorption area in a reverberation room



Report number:
18-082-R1-B4
Date
2018-10-03

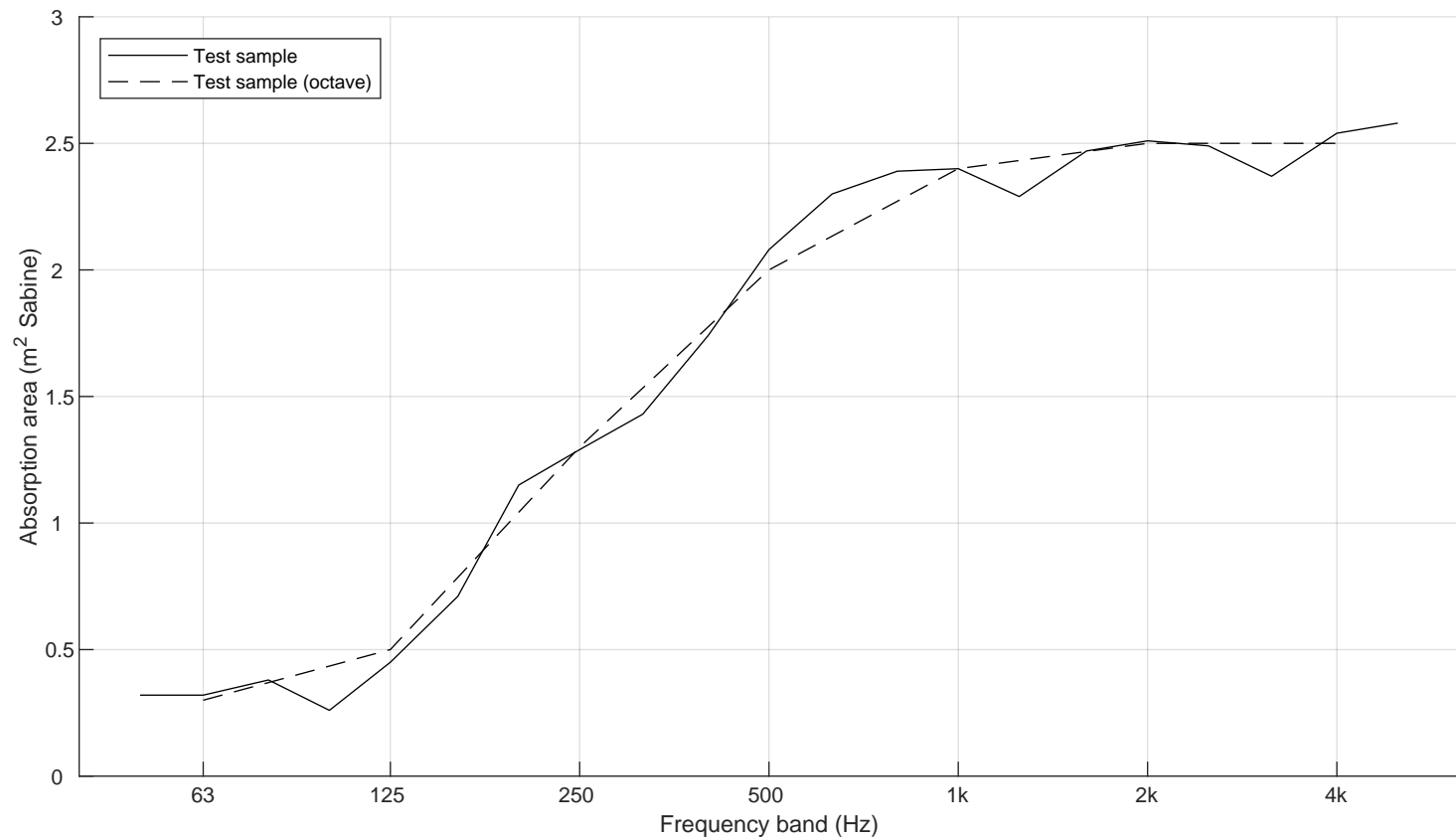
Frequency f [Hz]	Sound absorption area [m ² Sabine]	
50	0.32	
63	0.32	0.3
80	0.38	
100	0.26	
125	0.45	0.5
160	0.71	
200	1.15	
250	1.29	1.3
315	1.43	
400	1.74	
500	2.08	2.0
630	2.30	
800	2.39	
1000	2.40	2.4
1250	2.29	
1600	2.47	
2000	2.51	2.5
2500	2.49	
3150	2.37	
4000	2.54	2.5
5000	2.58	

Client: Zilenzio
 Manufacturer: Zilenzio
 Product identification: Kyoto, 90 degrees mounting

Description of test specimen: MDF core, stone wool filling covered with fabric. 2 absorbers (1200x600x82) mounted 90 degrees apart in a 1300mm frame with a 100mm floor drop height.
 The graph scaling deviates from ISO 354 to increase readability.

Reverberation room volume: 200 m³
 Temperature: 17.1 °C (empty: 17.0 °C)
 Air humidity: 45 % (empty: 46 %)
 Air pressure: 100.0 kPa (empty: 100.0 kPa)
 Number of specimens: 2

Measurement date: 2018-09-25
 Measured by: Staffan Andersson



$N_{10} = 5$

Zilenzio Kyoto 1200x600, unmounted

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Measurement of sound absorption area in a reverberation room

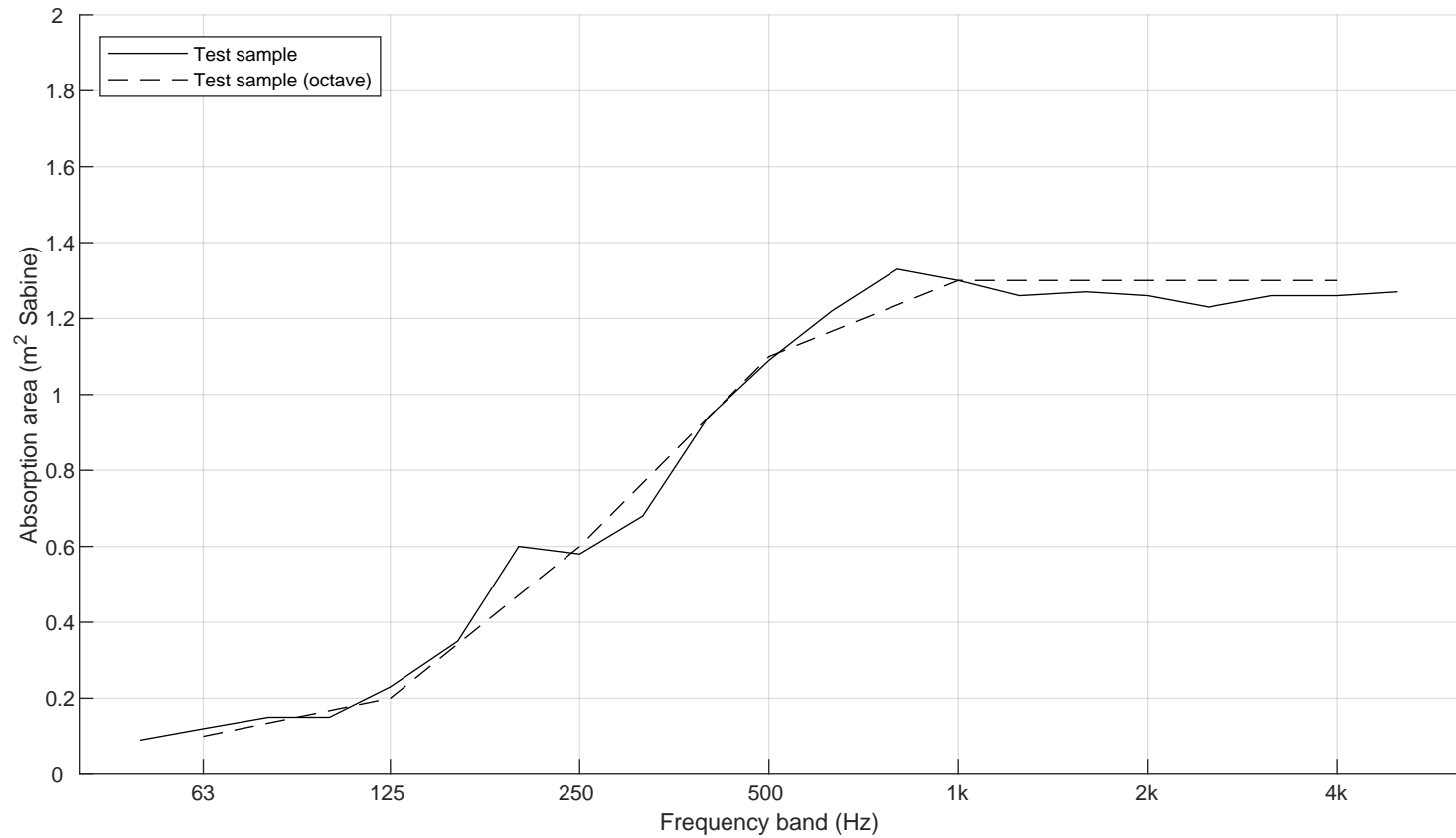


Report number:
18-082-R1-B5
Date
2018-10-03

Frequency f [Hz]	Sound absorption area [m ² Sabine]	
50	0.09	
63	0.12	0.1
80	0.15	
100	0.15	
125	0.23	0.2
160	0.35	
200	0.60	
250	0.58	0.6
315	0.68	
400	0.94	
500	1.09	1.1
630	1.22	
800	1.33	
1000	1.30	1.3
1250	1.26	
1600	1.27	
2000	1.26	1.3
2500	1.23	
3150	1.26	
4000	1.26	1.3
5000	1.27	

Client: Zilenzio
 Manufacturer: Zilenzio
 Product identification: Kyoto absorbent
 Description of test specimen: MDF core, stone wool filling covered with fabric. 1200x600x82 mm standing unmounted.
 The graph scaling deviates from ISO 354 to increase readability.

Reverberation room volume: 200 m³
 Temperature: 17.0 °C (empty: 17.0 °C)
 Air humidity: 45 % (empty: 46 %)
 Air pressure: 100.0 kPa (empty: 100.0 kPa)
 Number of specimens: 6
 Measurement date: 2018-09-25
 Measured by: Staffan Andersson



$$N_{10} = 9.1$$