

Zilenzio Cloudz One

SOUND ABSORPTION AREA ACCORDING TO ISO 354

Measurement of sound absorption area in a reverberation room



Report number:

13-07-M1

Date

2013-10-30

Frequency f [Hz]	Sound absorption area [m ² Sabine]	
50	0.04	
63	0.03	0.0
80	0.02	
100	0.03	
125	0.00	0.0
160	0.12	
200	0.12	
250	0.21	0.2
315	0.26	
400	0.35	
500	0.49	0.5
630	0.67	
800	0.73	
1000	0.65	0.7
1250	0.64	
1600	0.72	
2000	0.69	0.7
2500	0.61	
3150	0.64	
4000	0.70	0.7
5000	0.78	

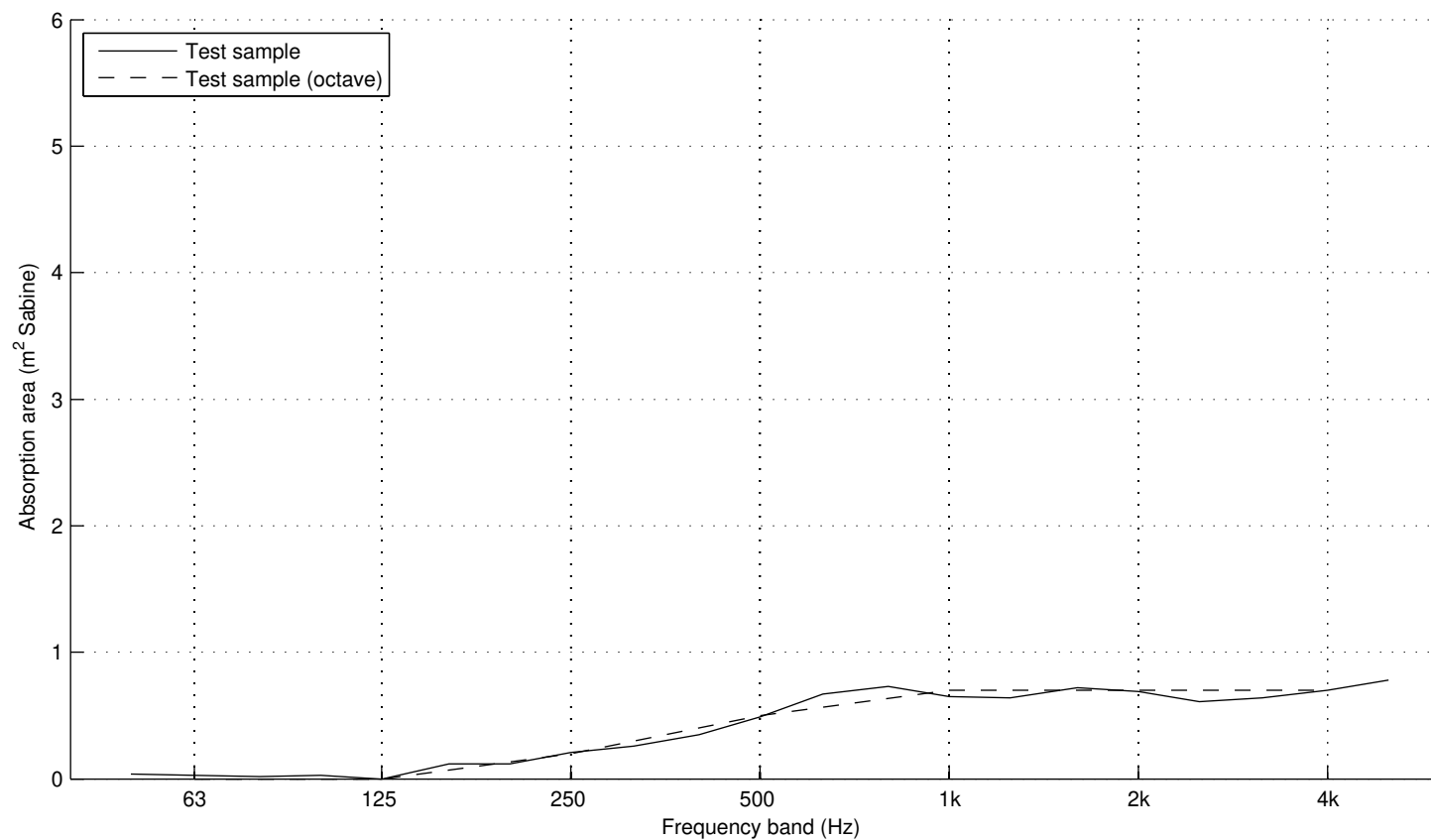
Client: Zilenzio
Manufacturer: Zilenzio
Product identification: Cloudz One

Description of test specimen:

Reverberation room volume: 200 m³
Temperature: 15 °C (empty: 14 °C)
Air humidity: 78 % (empty: 76 %)
Air pressure: 101.3 kPa (empty: 101.3 kPa)
Number of specimens: 3

Measurement date: 2013-06-18

Measured by: Pontus Thorsson



Zilenzio Cloudz Three

SOUND ABSORPTION AREA ACCORDING TO ISO 354

Measurement of sound absorption area in a reverberation room



Report number:

13-07-M2

Date

2013-10-30

Frequency f [Hz]	Sound absorption area [m ² Sabine]	
50	0.10	
63	0.14	0.1
80	0.07	
100	0.16	
125	0.16	0.2
160	0.26	
200	0.30	
250	0.52	0.5
315	0.64	
400	0.86	
500	1.05	1.1
630	1.29	
800	1.22	
1000	1.33	1.3
1250	1.32	
1600	1.37	
2000	1.33	1.3
2500	1.31	
3150	1.30	
4000	1.33	1.4
5000	1.48	

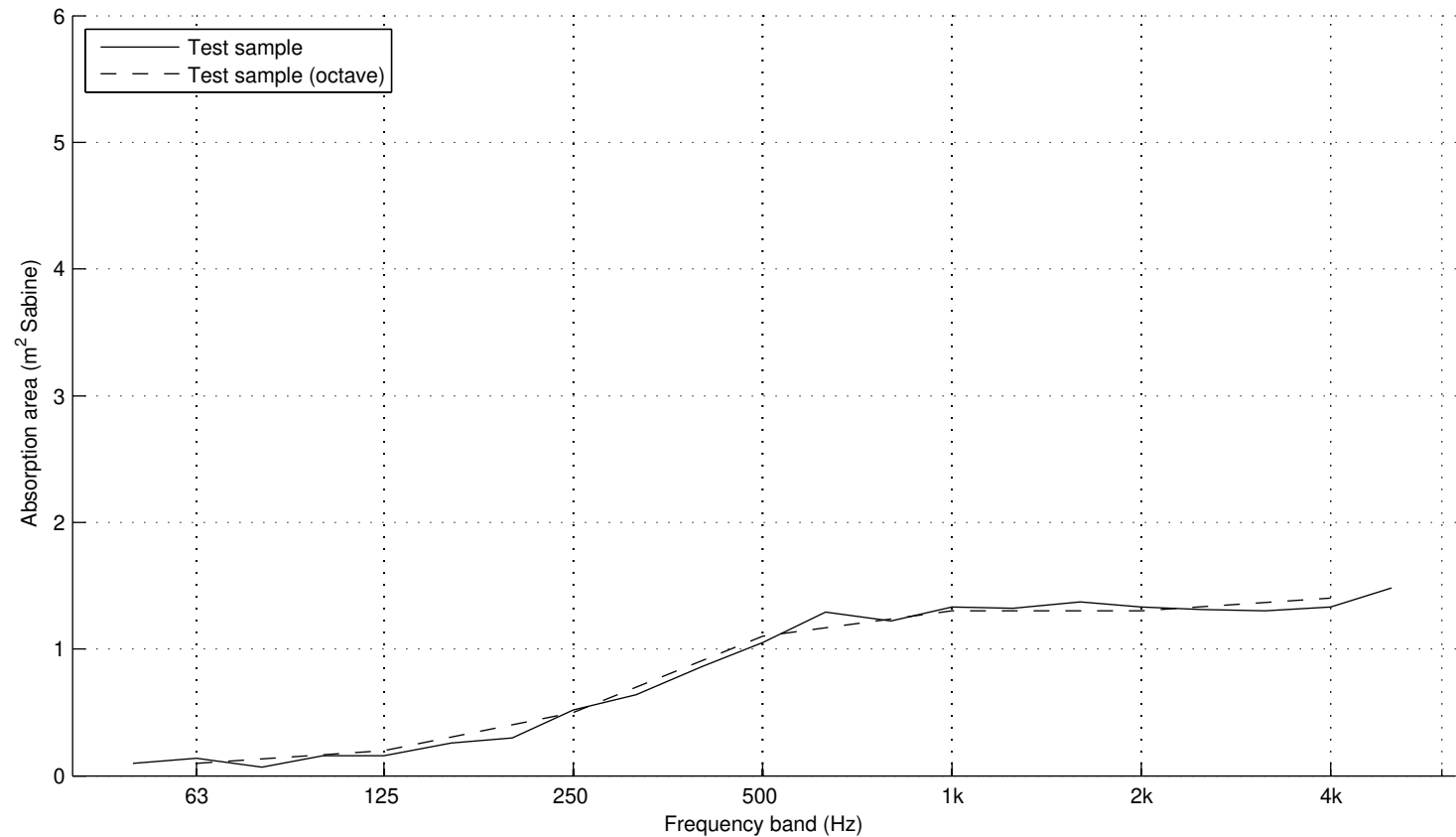
Client: Zilenzio
Manufacturer: Zilenzio
Product identification: Cloudz Three

Description of test specimen:

Reverberation room volume: 200 m³
Temperature: 15 °C (empty: 14 °C)
Air humidity: 78 % (empty: 76 %)
Air pressure: 101.3 kPa (empty: 101.3 kPa)
Number of specimens: 3

Measurement date: 2013-06-18

Measured by: Pontus Thorsson



Cloudz Five

SOUND ABSORPTION AREA ACCORDING TO ISO 354

Measurement of sound absorption area in a reverberation room



Report number:

13-07-M8

Date

2013-11-04

Frequency f [Hz]	Sound absorption area [m ² Sabine]	
50	0.13	
63	0.25	0.2
80	0.09	
100	0.23	
125	0.18	0.3
160	0.45	
200	0.55	
250	0.86	0.8
315	1.09	
400	1.29	
500	1.62	1.6
630	1.91	
800	1.88	
1000	1.96	1.9
1250	1.94	
1600	2.04	
2000	2.06	2.0
2500	2.04	
3150	1.95	
4000	2.08	2.1
5000	2.18	

Client: Zilenzio
 Manufacturer: Zilenzio
 Product identification: Cloudz Five

Description of test specimen: Cloud shaped sound absorber mounted with 830 mm distance to floor.

Reverberation room volume: 200 m³
 Temperature: 15 °C (empty: 14 °C)
 Air humidity: 78 % (empty: 76 %)
 Air pressure: 100.3 kPa (empty: 100.3 kPa)
 Number of specimens: 3

Measurement date: 2013-06-18

Measured by: Pontus Thorsson

