

# 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 <sup>2</sup> 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	

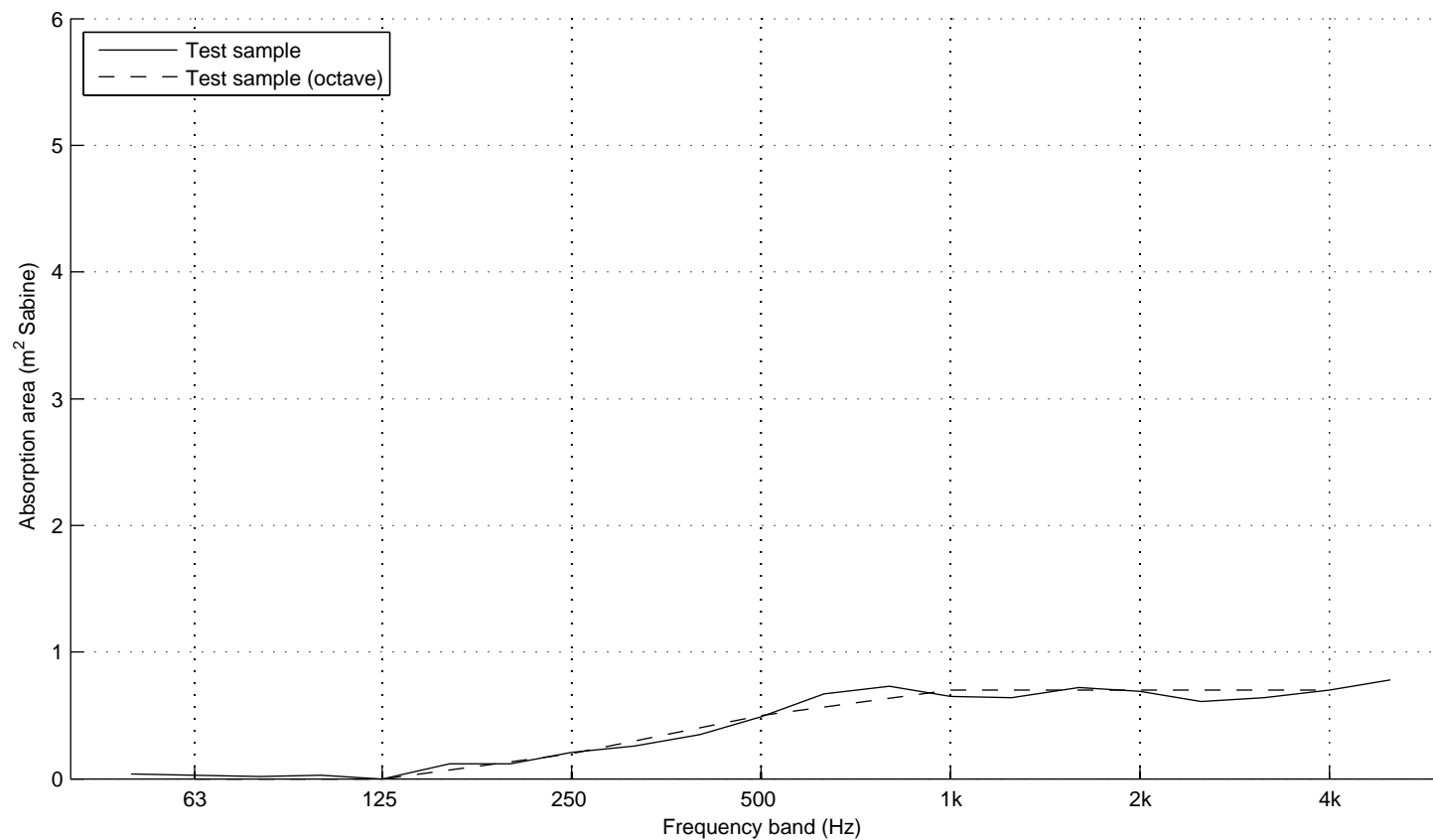
Client: Zilenzio  
Manufacturer: Zilenzio  
Product identification: Cloudz One

Description of test specimen:

Reverberation room volume: 200 m<sup>3</sup>  
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**

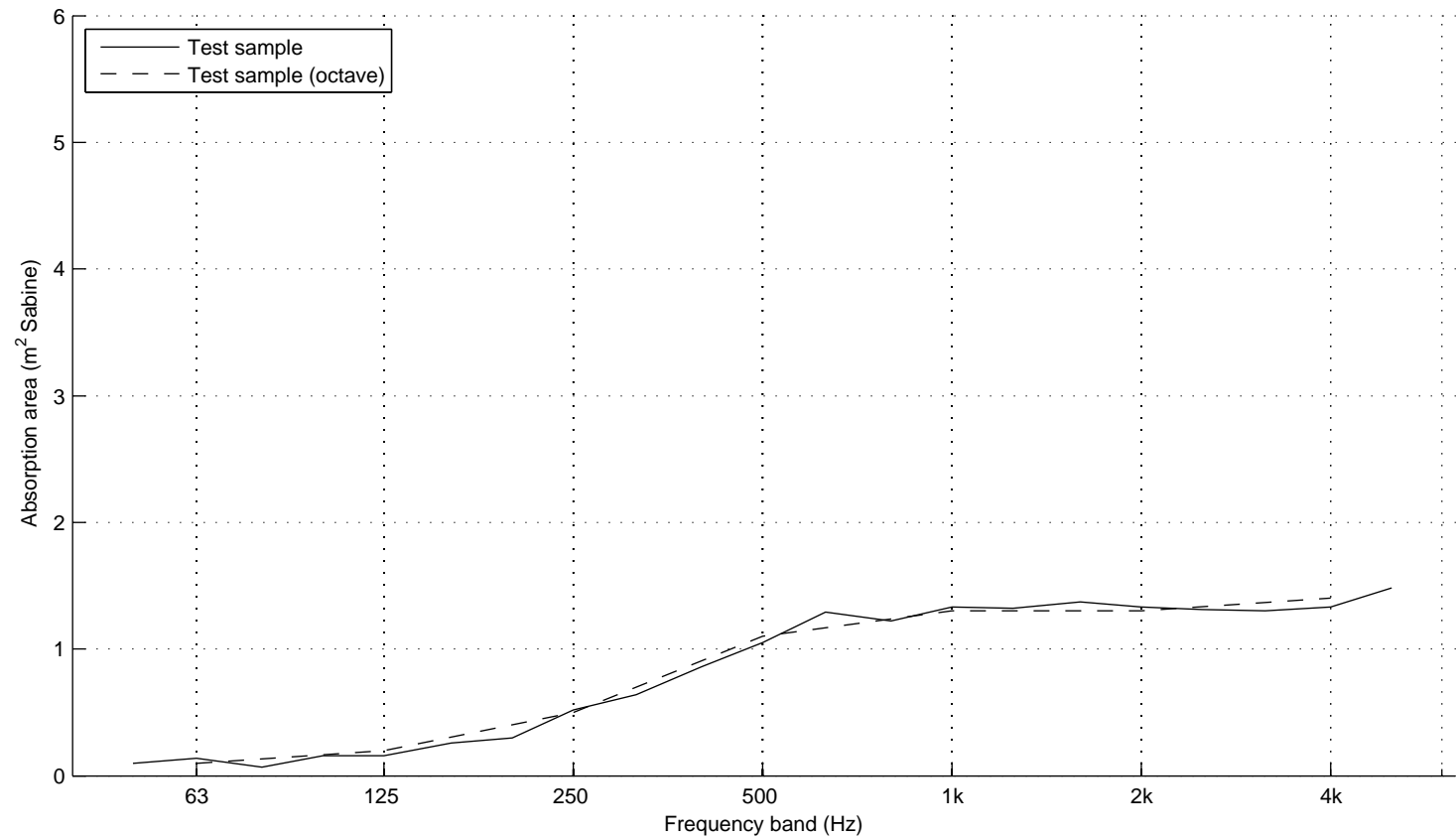
Frequency f [Hz]	Sound absorption area [m <sup>2</sup> Sabine]	
50	0.10	
63	0.14	0.1
80	0.07	
100	0.16	
125	0.16	0.2
160	0.26	
200	0.30	
250	0.52	0.5
315	0.64	
400	0.86	
500	1.05	1.1
630	1.29	
800	1.22	
1000	1.33	1.3
1250	1.32	
1600	1.37	
2000	1.33	1.3
2500	1.31	
3150	1.30	
4000	1.33	1.4
5000	1.48	

Client: Zilenzio  
Manufacturer: Zilenzio  
Product identification: Cloudz Three

Description of test specimen:

Reverberation room volume: 200 m<sup>3</sup>  
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 <sup>2</sup> 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 m<sup>3</sup>  
 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

