

# Zilenzio Dezign Wall Panel

SOUND ABSORPTION AREA ACCORDING TO ISO 354

Measurement of sound absorption area in a reverberation room



Report number:  
**13-07-M15**  
Date  
**2013-10-30**

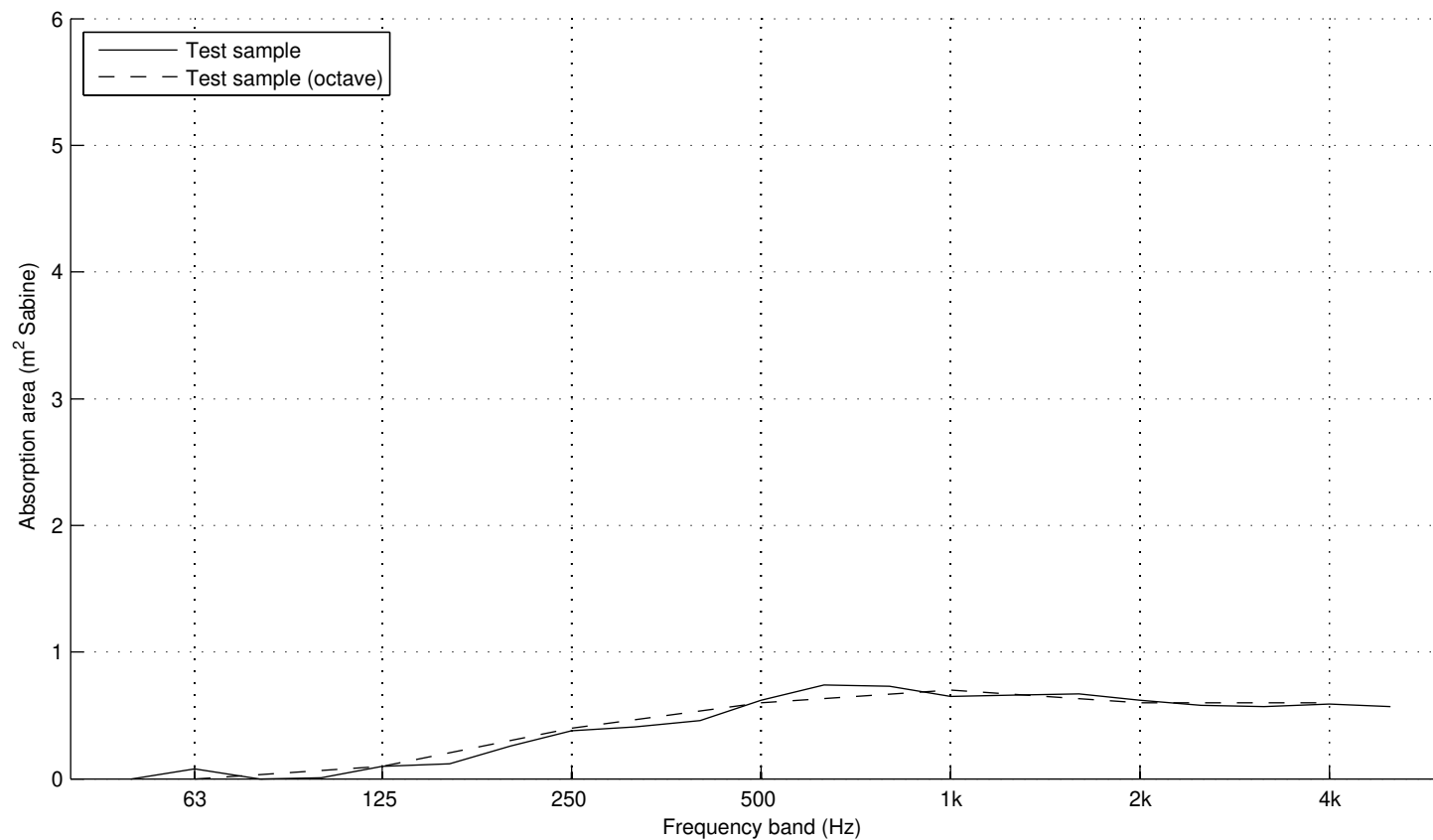
Frequency f [Hz]	Sound absorption area [m <sup>2</sup> Sabine]	
50	0.00	
63	0.08	0.0
80	0.00	
100	0.01	
125	0.10	0.1
160	0.12	
200	0.26	
250	0.38	0.4
315	0.41	
400	0.46	
500	0.62	0.6
630	0.74	
800	0.73	
1000	0.65	0.7
1250	0.66	
1600	0.67	
2000	0.62	0.6
2500	0.58	
3150	0.57	
4000	0.59	0.6
5000	0.57	

Client: Zilenzio  
Manufacturer: Zilenzio  
Product identification: Dezign Wall Panel 600 x 600 mm

Reverberation room volume: 200 m<sup>3</sup>  
Temperature: 15 °C (empty: 14 °C)  
Air humidity: 76 % (empty: 76 %)  
Air pressure: 101.3 kPa (empty: 101.3 kPa)  
Number of specimens: 4

Description of test specimen:

Measurement date: 2013-06-18  
Measured by: Pontus Thorsson



# Zilenzio Deizgn Wall Panel

SOUND ABSORPTION AREA ACCORDING TO ISO 354

Measurement of sound absorption area in a reverberation room



Report number:  
**13-07-M16**  
Date  
**2013-10-30**

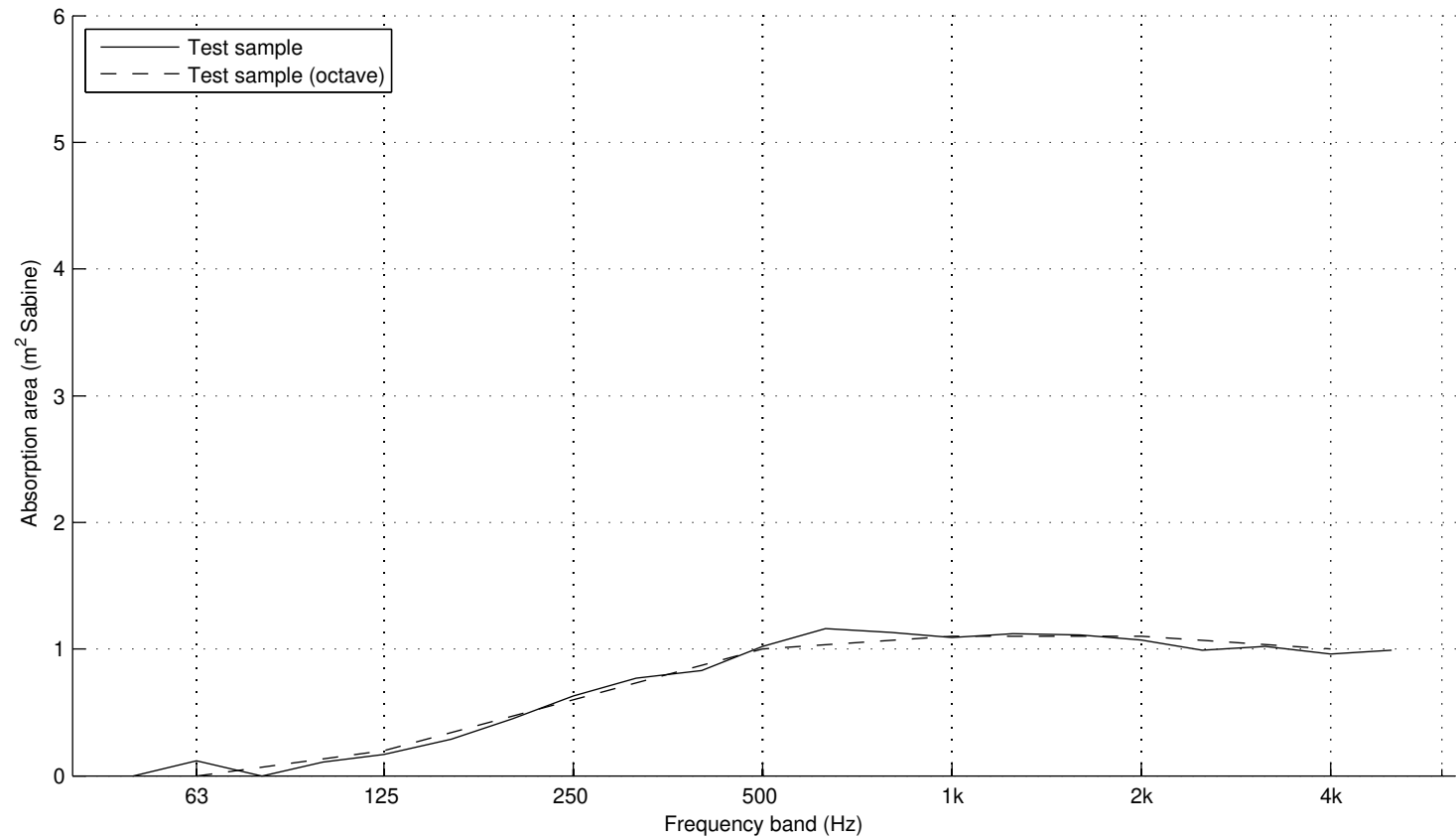
Frequency f [Hz]	Sound absorption area [m <sup>2</sup> Sabine]	
50	0.00	
63	0.12	0.0
80	0.00	
100	0.11	
125	0.17	0.2
160	0.29	
200	0.45	
250	0.63	0.6
315	0.77	
400	0.83	
500	1.02	1.0
630	1.16	
800	1.13	
1000	1.09	1.1
1250	1.12	
1600	1.11	
2000	1.07	1.1
2500	0.99	
3150	1.02	
4000	0.96	1.0
5000	0.99	

Client: Zilenzio  
Manufacturer: Zilenzio  
Product identification: Deizgn Wall Panel 1200 x 600 mm

Reverberation room volume: 200 m<sup>3</sup>  
Temperature: 15 °C (empty: 14 °C)  
Air humidity: 77 % (empty: 76 %)  
Air pressure: 101.3 kPa (empty: 101.3 kPa)  
Number of specimens: 4

Description of test specimen:

Measurement date: 2013-06-18  
Measured by: Pontus Thorsson



# Zilenzio Dezign Wall Panel

SOUND ABSORPTION AREA ACCORDING TO ISO 354

Measurement of sound absorption area in a reverberation room



Report number:  
**13-07-M17**  
Date  
**2013-10-30**

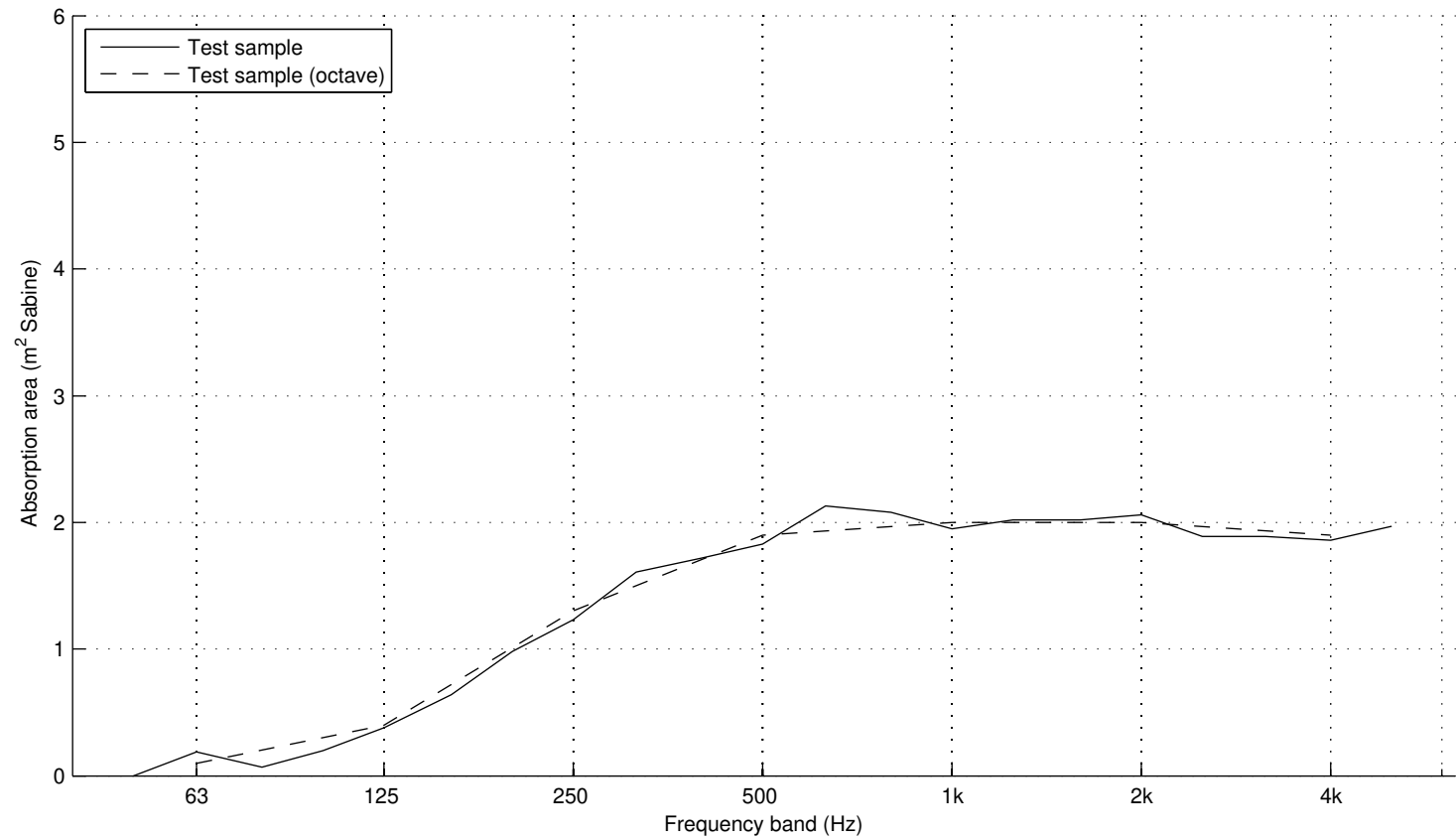
Frequency f [Hz]	Sound absorption area [m <sup>2</sup> Sabine]	
50	0.00	
63	0.19	0.1
80	0.07	
100	0.20	
125	0.38	0.4
160	0.64	
200	0.98	
250	1.23	1.3
315	1.61	
400	1.72	
500	1.83	1.9
630	2.13	
800	2.08	
1000	1.95	2.0
1250	2.02	
1600	2.02	
2000	2.06	2.0
2500	1.89	
3150	1.89	
4000	1.86	1.9
5000	1.97	

Client: Zilenzio  
Manufacturer: Zilenzio  
Product identification: Dezign Wall Panel 1200 x 1200 mm

Description of test specimen:

Reverberation room volume: 200 m<sup>3</sup>  
Temperature: 15 °C (empty: 14 °C)  
Air humidity: 77 % (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 Dezign Wall Panel

SOUND ABSORPTION AREA ACCORDING TO ISO 354

Measurement of sound absorption area in a reverberation room



Report number:  
**13-07-M18**  
Date  
**2013-10-30**

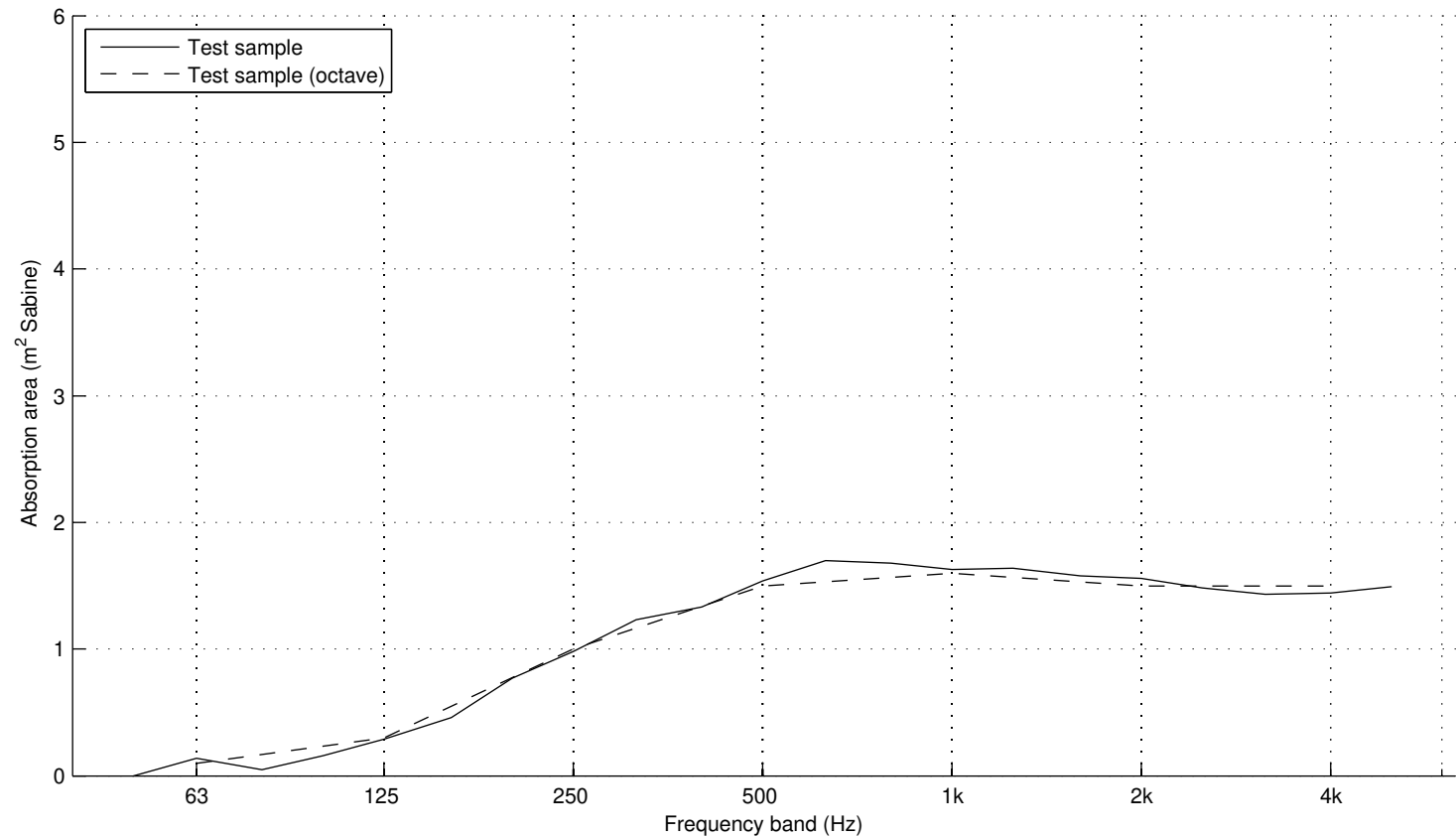
Frequency f [Hz]	Sound absorption area [m <sup>2</sup> Sabine]	
50	0.00	
63	0.14	0.1
80	0.05	
100	0.16	
125	0.29	0.3
160	0.46	
200	0.77	
250	0.98	1.0
315	1.23	
400	1.33	
500	1.54	1.5
630	1.70	
800	1.68	
1000	1.63	1.6
1250	1.64	
1600	1.58	
2000	1.56	1.5
2500	1.48	
3150	1.43	
4000	1.44	1.5
5000	1.49	

Client: Zilenzio  
Manufacturer: Zilenzio  
Product identification: Dezign Wall Panel 1800 x 600 mm

Description of test specimen:

Reverberation room volume: 200 m<sup>3</sup>  
Temperature: 15 °C (empty: 14 °C)  
Air humidity: 77 % (empty: 76 %)  
Air pressure: 101.3 kPa (empty: 101.3 kPa)  
Number of specimens: 4

Measurement date: 2013-06-18  
Measured by: Pontus Thorsson



# Zilenzio Dezign Ceiling

SOUND ABSORPTION AREA ACCORDING TO ISO 354

Measurement of sound absorption area in a reverberation room



Report number:  
**13-07-M13**  
Date  
**2013-10-30**

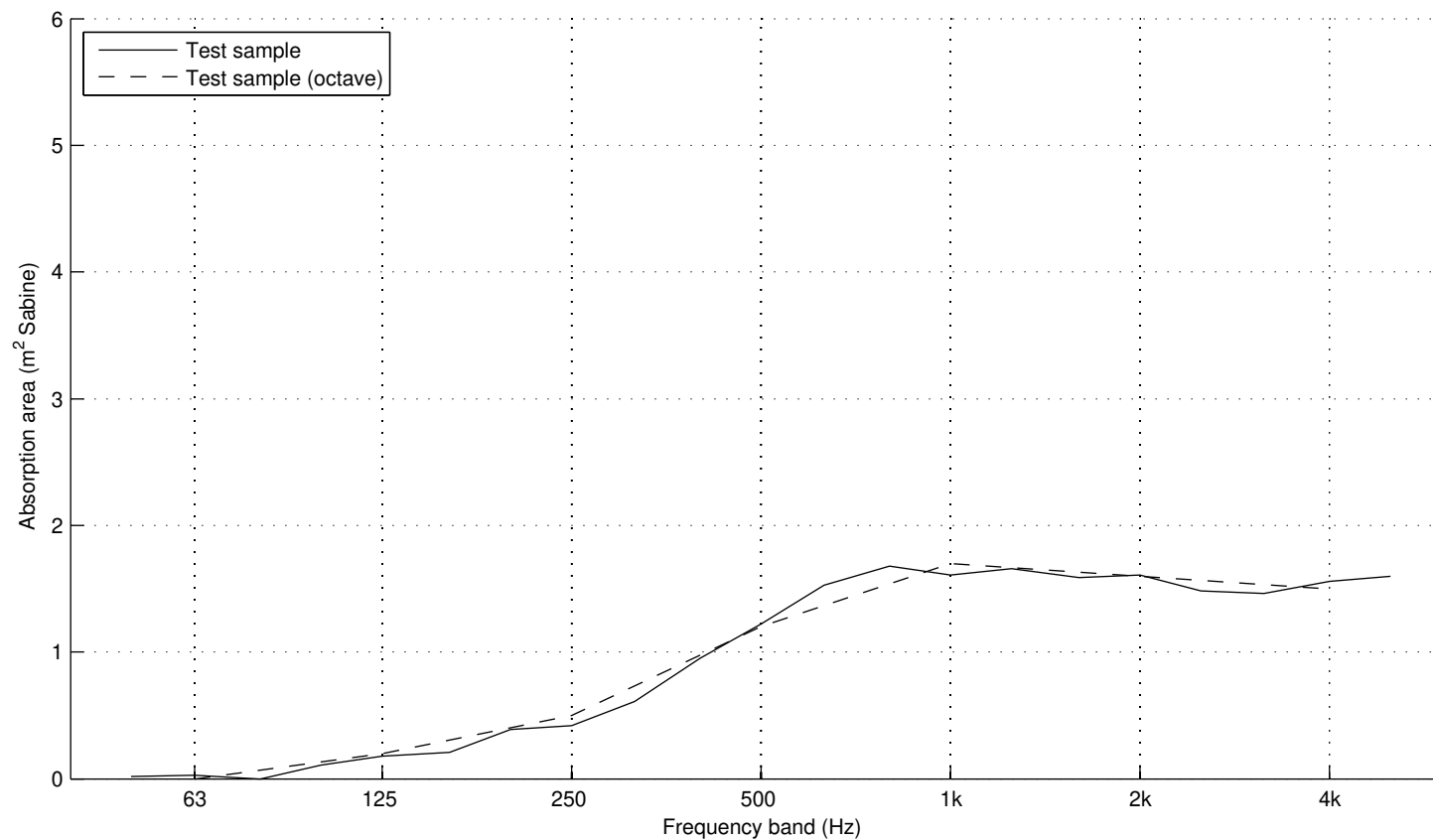
Frequency f [Hz]	Sound absorption area [m <sup>2</sup> Sabine]	
50	0.02	
63	0.03	0.0
80	0.00	
100	0.11	
125	0.18	0.2
160	0.21	
200	0.39	
250	0.42	0.5
315	0.61	
400	0.95	
500	1.22	1.2
630	1.53	
800	1.68	
1000	1.61	1.7
1250	1.66	
1600	1.59	
2000	1.61	1.6
2500	1.48	
3150	1.46	
4000	1.56	1.5
5000	1.60	

Client: Zilenzio  
Manufacturer: Zilenzio  
Product identification: Dezign Ceiling, hanging from ceiling

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 Dezign Ceiling

SOUND ABSORPTION AREA ACCORDING TO ISO 354

Measurement of sound absorption area in a reverberation room



Report number:  
**13-07-M14**  
Date  
**2013-10-30**

Frequency f [Hz]	Sound absorption area [m <sup>2</sup> Sabine]	
50	0.03	
63	0.05	0.0
80	0.02	
100	0.15	
125	0.21	0.2
160	0.21	
200	0.42	
250	0.51	0.5
315	0.65	
400	0.95	
500	1.22	1.2
630	1.54	
800	1.57	
1000	1.59	1.6
1250	1.65	
1600	1.53	
2000	1.53	1.5
2500	1.48	
3150	1.55	
4000	1.51	1.5
5000	1.57	

Client: Zilenzio  
Manufacturer: Zilenzio  
Product identification: Dezign Ceiling, hanging wide from ceiling

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

