

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

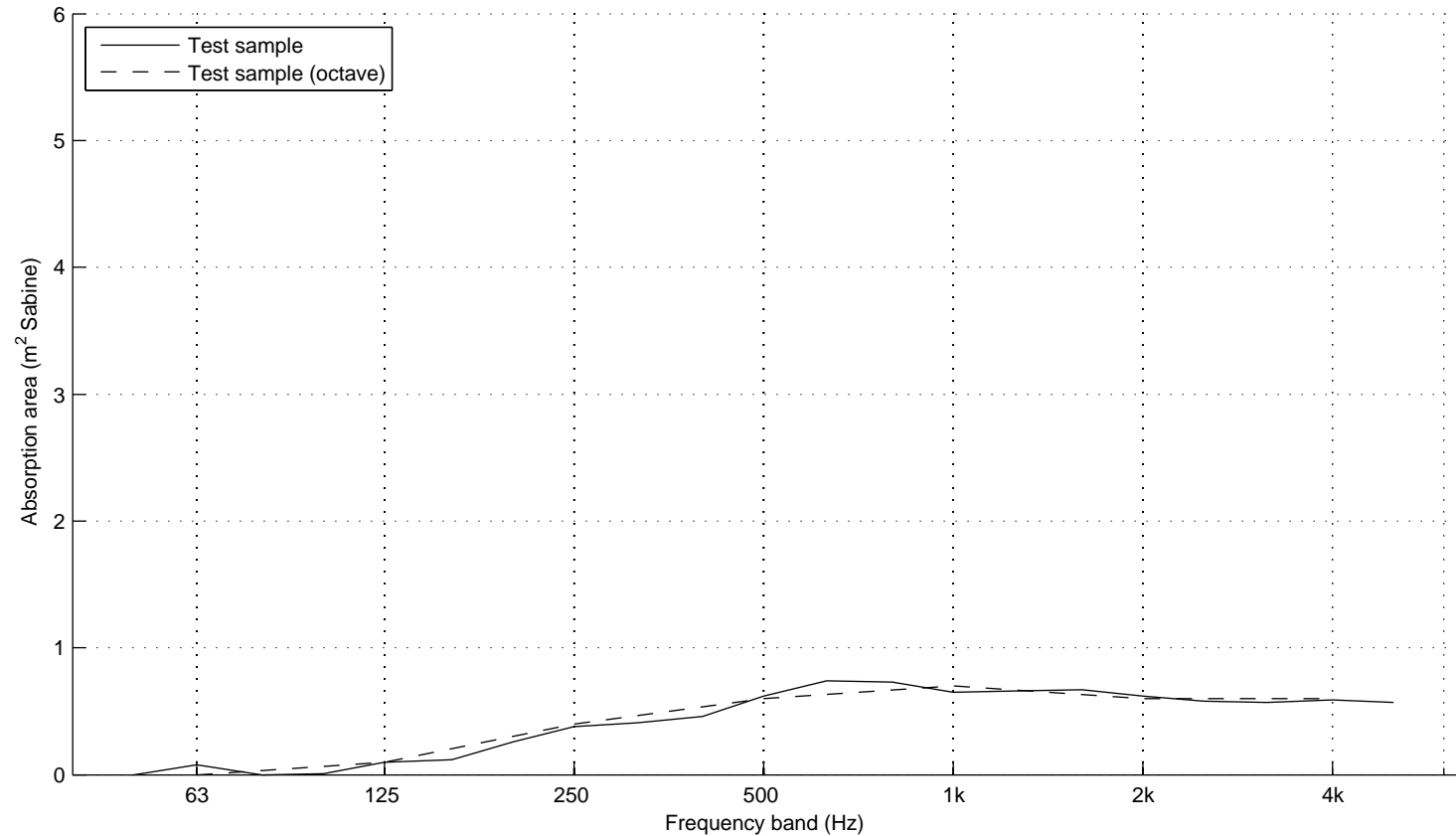
Frequency f [Hz]	Sound absorption area [m ² Sabine]	
50	0.00	
63	0.08	0.0
80	0.00	
100	0.01	
125	0.10	0.1
160	0.12	
200	0.26	
250	0.38	0.4
315	0.41	
400	0.46	
500	0.62	0.6
630	0.74	
800	0.73	
1000	0.65	0.7
1250	0.66	
1600	0.67	
2000	0.62	0.6
2500	0.58	
3150	0.57	
4000	0.59	0.6
5000	0.57	

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

Reverberation room volume: 200 m³
 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 Dezign 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

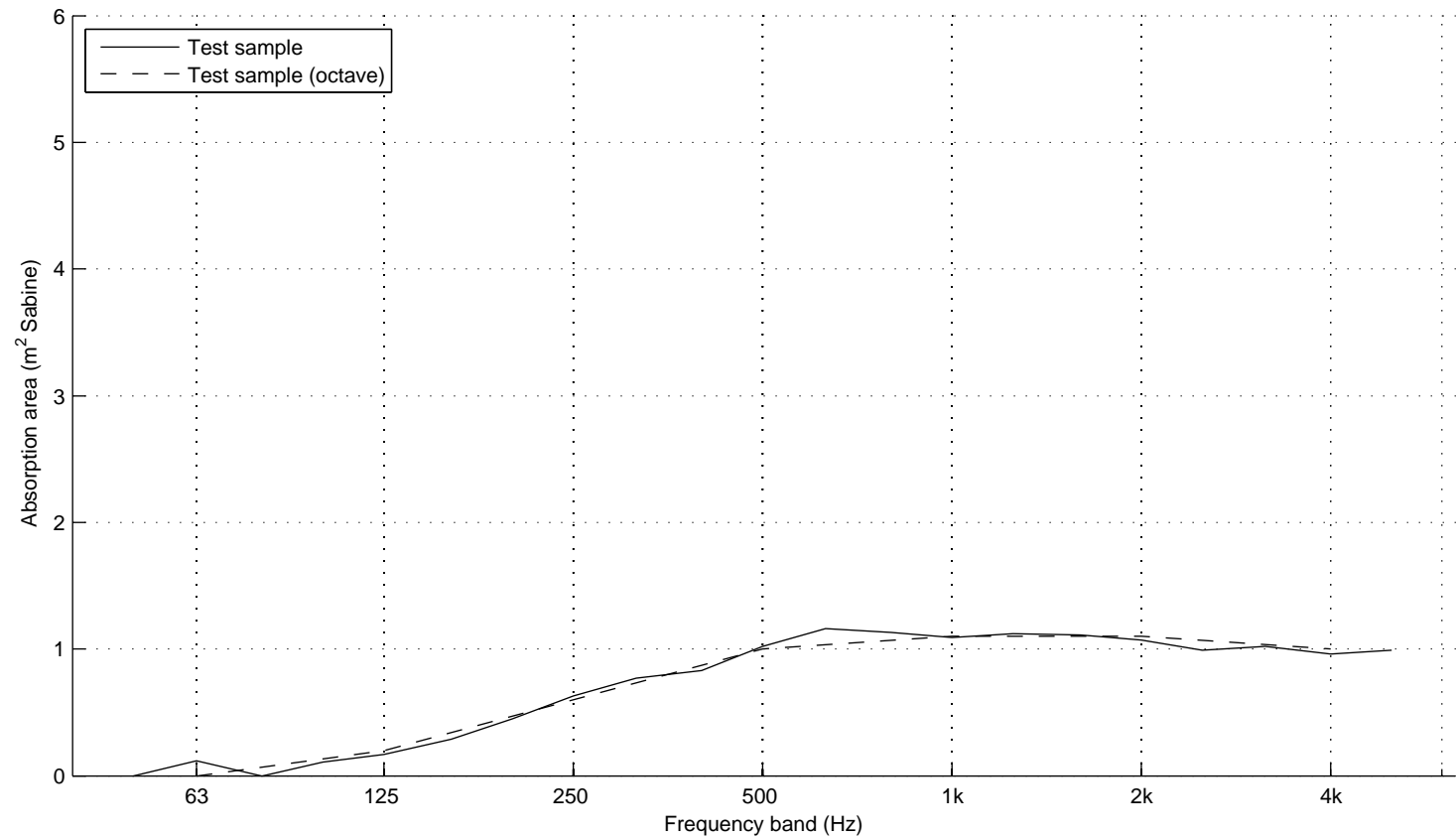
Frequency f [Hz]	Sound absorption area [m ² Sabine]	
50	0.00	
63	0.12	0.0
80	0.00	
100	0.11	
125	0.17	0.2
160	0.29	
200	0.45	
250	0.63	0.6
315	0.77	
400	0.83	
500	1.02	1.0
630	1.16	
800	1.13	
1000	1.09	1.1
1250	1.12	
1600	1.11	
2000	1.07	1.1
2500	0.99	
3150	1.02	
4000	0.96	1.0
5000	0.99	

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

Description of test specimen:

Reverberation room volume: 200 m³
 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 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

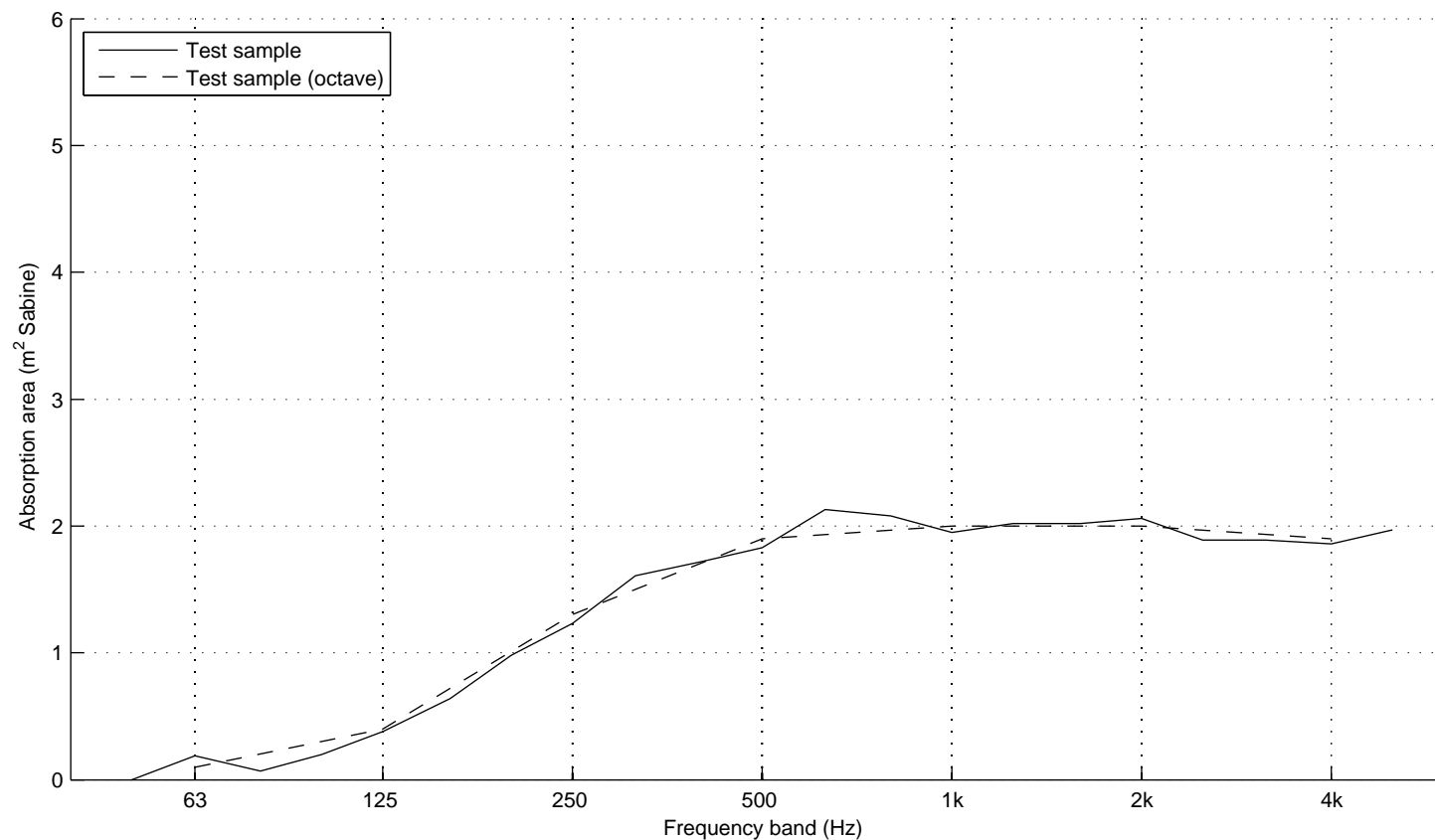
Frequency f [Hz]	Sound absorption area [m ² Sabine]	
50	0.00	
63	0.19	0.1
80	0.07	
100	0.20	
125	0.38	0.4
160	0.64	
200	0.98	
250	1.23	1.3
315	1.61	
400	1.72	
500	1.83	1.9
630	2.13	
800	2.08	
1000	1.95	2.0
1250	2.02	
1600	2.02	
2000	2.06	2.0
2500	1.89	
3150	1.89	
4000	1.86	1.9
5000	1.97	

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

Description of test specimen:

Reverberation room volume: 200 m³
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

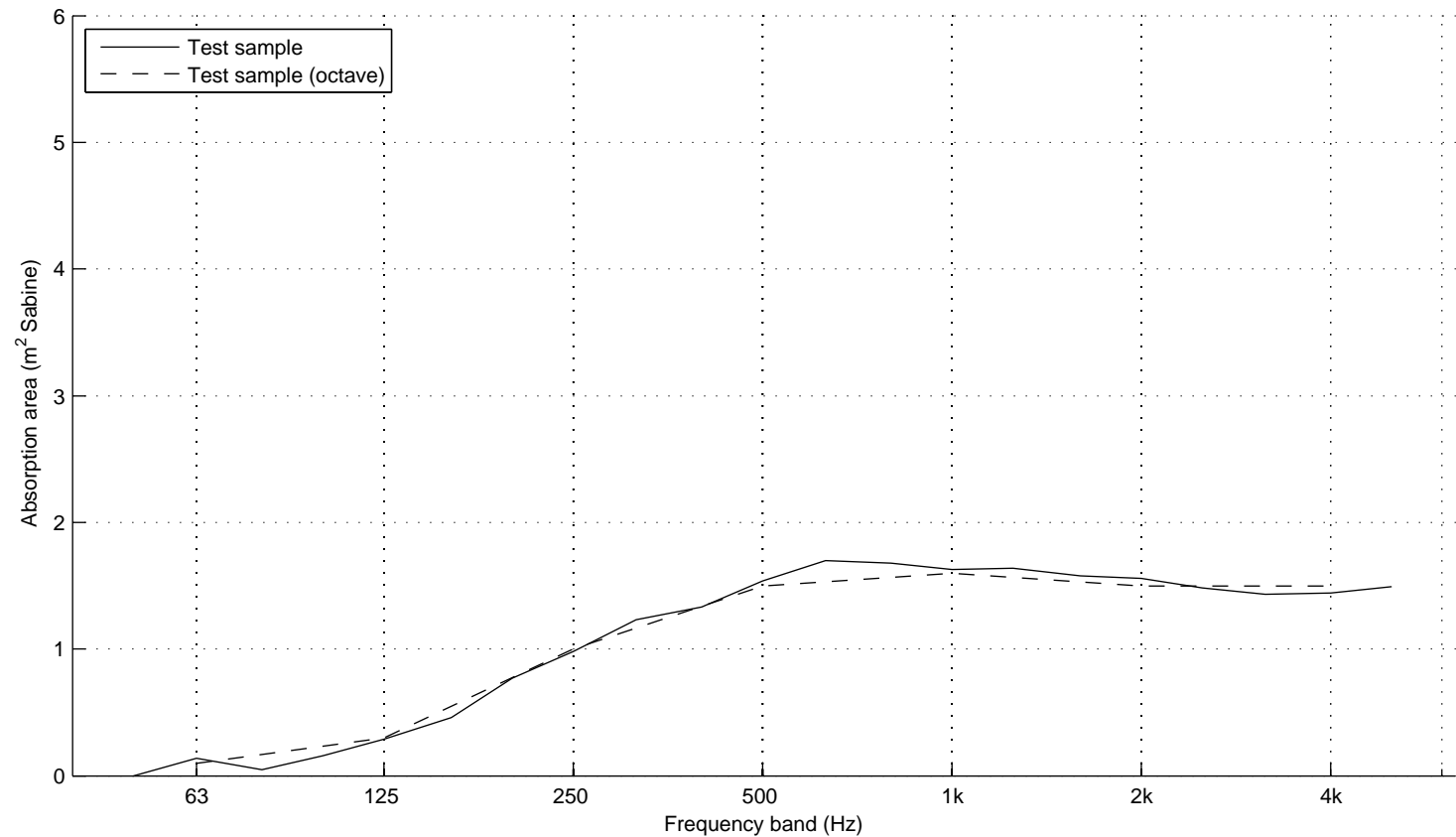
Frequency f [Hz]	Sound absorption area [m ² Sabine]	
50	0.00	
63	0.14	0.1
80	0.05	
100	0.16	
125	0.29	0.3
160	0.46	
200	0.77	
250	0.98	1.0
315	1.23	
400	1.33	
500	1.54	1.5
630	1.70	
800	1.68	
1000	1.63	1.6
1250	1.64	
1600	1.58	
2000	1.56	1.5
2500	1.48	
3150	1.43	
4000	1.44	1.5
5000	1.49	

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

Description of test specimen:

Reverberation room volume: 200 m³
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

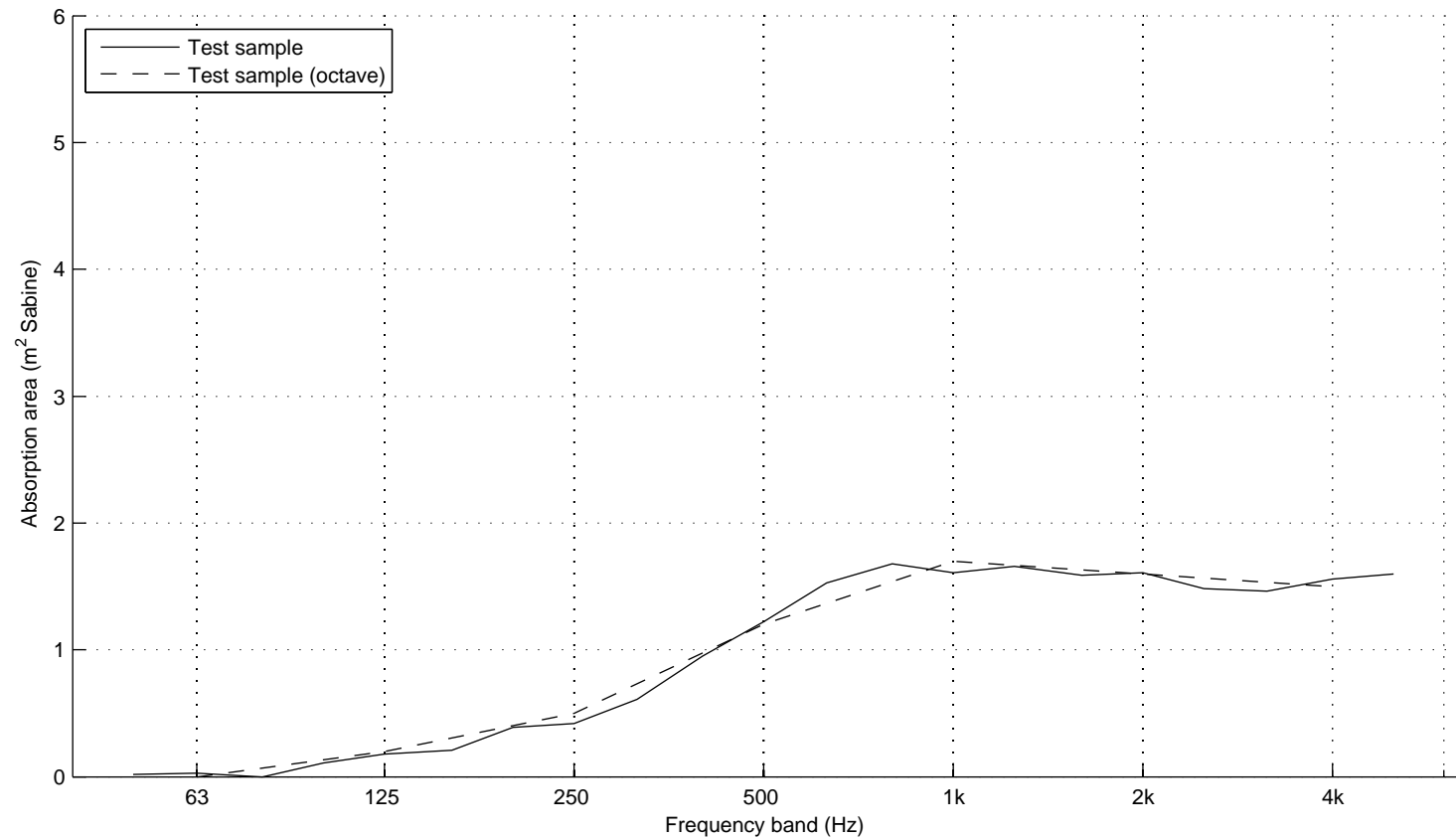
Frequency f [Hz]	Sound absorption area [m ² Sabine]	
50	0.02	
63	0.03	0.0
80	0.00	
100	0.11	
125	0.18	0.2
160	0.21	
200	0.39	
250	0.42	0.5
315	0.61	
400	0.95	
500	1.22	1.2
630	1.53	
800	1.68	
1000	1.61	1.7
1250	1.66	
1600	1.59	
2000	1.61	1.6
2500	1.48	
3150	1.46	
4000	1.56	1.5
5000	1.60	

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

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

Description of test specimen:

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 ² 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 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

