

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

