

Zienzio Mute ceiling absorber 1200x600

SOUND ABSORPTION COEFFICIENT PER ASTM C423-17

Measurement of sound absorption coefficient by the reverberation room method

Report number:
20-703-M7
Date
2020-01-09

Frequency f [Hz]	Sound absorption coefficient α
50	0.01
63	0.02
80	0.00
100	0.07
125	0.12
160	0.15
200	0.27
250	0.29
315	0.42
400	0.66
500	0.84
630	1.05
800	1.16
1000	1.11
1250	1.14
1600	1.10
2000	1.12
2500	1.03
3150	1.03
4000	1.11
5000	1.15

Sound Absorption Average (SAA): 0.85

Noise Reduction Coefficient (NRC): 0.85

Client: Zienzio
Manufacturer: Zienzio
Product identification: Mute ceiling absorber 1200x600

Description of test specimen: Vertically hanging sound absorber 1200x600x53.
Evaluation based on measurement for 3 specimen hanging from the roof.
Original measurement report 13-07-M13.

Reverberation room volume: 200 m³
Temperature: 15.0 °C (empty: 14.0 °C)
Air humidity: 78% (empty: 76%)
Air pressure: 101.3 kPa (empty: 101.3 kPa)
Size of specimen: 4.32 m²
Area weight: n.a. kg/m²
Measurement date: 2013-06-18
Measured by: Pontus Thorsson

