

Zienzio Dezibel 750x2000

SOUND ABSORPTION COEFFICIENT PER ASTM C423-17

Measurement of sound absorption coefficient by the reverberation room method

Report number:
20-703-M6
Date
2020-01-09

Frequency f [Hz]	Sound absorption coefficient α
50	0.01
63	0.09
80	0.12
100	0.22
125	0.19
160	0.19
200	0.25
250	0.28
315	0.39
400	0.49
500	0.51
630	0.63
800	0.67
1000	0.70
1250	0.71
1600	0.71
2000	0.77
2500	0.76
3150	0.76
4000	0.76
5000	0.83

Sound Absorption Average (SAA): 0.57

Noise Reduction Coefficient (NRC): 0.55

Client: Zienzio
Manufacturer: Zienzio
Product identification: Dezibel 750x2000x40

Description of test specimen: Screen 750x2000x40.
Evaluation based on measurement for 3 screens spread out on the floor.
Original measurement report 13-07-M3.

Reverberation room volume: 200 m³
Temperature: 15.0 °C (empty: 14.0 °C)
Air humidity: 76% (empty: 76%)
Air pressure: 101.3 kPa (empty: 101.3 kPa)
Size of specimen: 9 m²
Area weight: n.a. kg/m²
Measurement date: 2013-06-18
Measured by: Pontus Thorsson

