

Zienzio Design wall 1200x1200

SOUND ABSORPTION COEFFICIENT PER ASTM C423-17

Measurement of sound absorption coefficient by the reverberation room method

Report number:
20-703-M5
Date
2020-01-09

Frequency f [Hz]	Sound absorption coefficient α	Client: Zienzio	Manufacturer: Zienzio
		Product identification: Design wall 1200x1200	

Reverberation room volume: 200 m³
Temperature: 15.0 °C (empty: 14.0 °C)
Air humidity: 77% (empty: 76%)
Air pressure: 101.3 kPa (empty: 101.3 kPa)

Description of test specimen: Sound absorbing wall panel with dimensions 1200x1200x65 including an air gap of 12 mm between the panel and wall surface. Area of specimen includes area of edges. Evaluation based on measurement for 3 panels spread out on the floor. Original measurement report 13-07-M17.

Size of specimen: 5.08 m²
Area weight: n.a. kg/m²
Measurement date: 2013-06-18
Measured by: Pontus Thorsson

200	0.58
250	0.73
315	0.95
400	1.01
500	1.07
630	1.25
800	1.22
1000	1.15
1250	1.19
1600	1.19
2000	1.22
2500	1.12
3150	1.13
4000	1.12
5000	1.20

Sound Absorption Average (SAA): 1.06

Noise Reduction Coefficient (NRC): 1.05

