

Zilenzio Dezibel Wall W47.2" x W47.2" x T2.1"

SOUND ABSORPTION COEFFICIENT PER ASTM C423-17

Measurements of sound absorption coefficient by the reverberation room method

Report number:

20-703-M5a

Date:

2021-06-23

Frequency f [Hz]	Sound absorption coefficient α
50	0
63	0.11
80	0.04
100	0.12
125	0.23
160	0.38
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	1.2

Client:

Zilenzio

Manufacturer:

Zilenzio

Product identification:

Dezibel Wall

Description of test specimen:

Sound absorbing wall panel with dimensions W47.2"xW47.2"xT2.1" tested with 0.5" air gap between 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 with name Dezn wall.

Reverberation room volume:

2153 ft²

Temperature:

59 °F (empty: 57 °F)

Air humidity:

77 % (empty: 76 %)

Air pressure:

15 psi (empty: 15 psi)

Size of specimen:

54.7 ft²

Area weight:

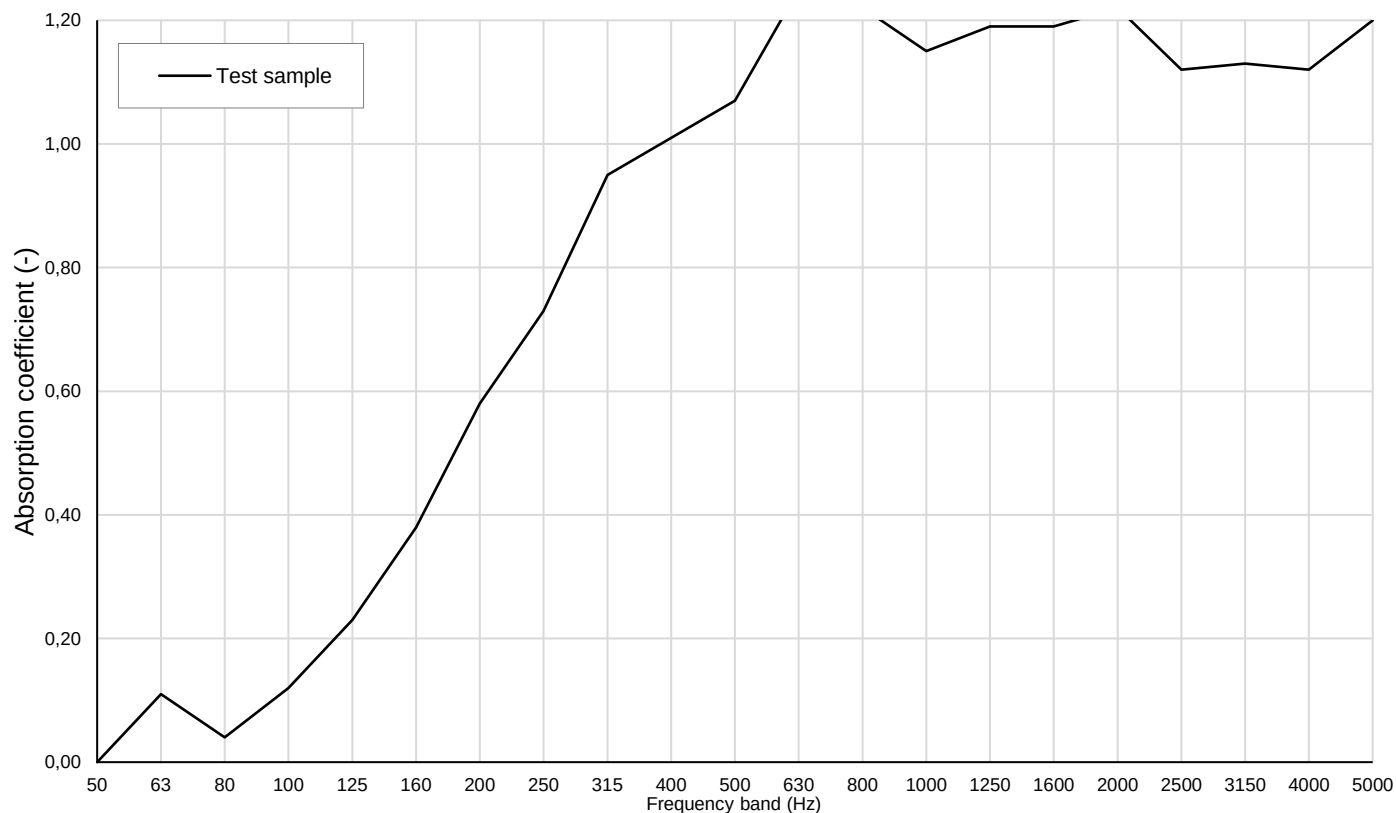
2.6 lb/ft²

Measurement date:

2013-06-18

Measured by:

Pontus Thorsson



Sound Absorption Average (SAA): 1.06

Noise Reduction Coefficient (NRC): 1.05