

Zienzio Kyoto floor screen 1170x600

SOUND ABSORPTION COEFFICIENT PER ASTM C423-17

Measurement of sound absorption coefficient by the reverberation room method

Report number:
20-703-M3
Date
2020-01-09

Frequency f [Hz]	Sound absorption coefficient α
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50	0.06
63	0.09
80	0.11

100	0.11
125	0.16
160	0.25

200	0.42
250	0.41
315	0.48

400	0.67
500	0.78
630	0.87

800	0.95
1000	0.93
1250	0.90

1600	0.90
2000	0.89
2500	0.88
3150	0.90
4000	0.89
5000	0.91

Sound Absorption Average (SAA): 0.76

Noise Reduction Coefficient (NRC): 0.75

Client: Zienzio

Manufacturer: Zienzio

Product identification: Kyoto 1170x600

Description of test specimen:

Floor standing screen 1170x600x82.
Evaluation based on measurement for 6 screens spread out on the floor.
Original measurement report 18-082-R1-B5

Reverberation room volume: 200 m³

Temperature: 17.0 °C (empty: 17.0 °C)

Air humidity: 45% (empty: 46%)

Air pressure: 100.0 kPa (empty: 100.0 kPa)

Size of specimen: 8.424 m²

Area weight: n.a. kg/m²

Measurement date: 2018-09-25

Measured by: Staffan

