

Zienzio Focus screen 2970x320

SOUND ABSORPTION COEFFICIENT PER ASTM C423-17

Measurement of sound absorption coefficient by the reverberation room method

Report number:
20-703-M4
Date
2020-01-09

Frequency f [Hz]	Sound absorption coefficient α
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Client:	Zienzio
Manufacturer:	Zienzio
Product identification:	Focus screen 2970x320

Description of test specimen:	Screen 2970x320x10. Evaluation based on measurement for 3 screens spread out on the floor. Original measurement report 15-246-M2.
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Reverberation room volume:	200 m ³
Temperature:	14.6 °C (empty: 15.3 °C)
Air humidity:	47% (empty: 45%)
Air pressure:	99.0 kPa (empty: 99.0 kPa)
Size of specimen:	5.7 m ²
Area weight:	n.a. kg/m ²
Measurement date:	2015-12-14
Measured by:	Carl Nyqvist

50	0.01
63	0.05
80	0.10
100	0.06
125	0.14
160	0.18
200	0.26
250	0.40
315	0.42
400	0.42
500	0.40
630	0.37
800	0.42
1000	0.43
1250	0.43
1600	0.47
2000	0.46
2500	0.53
3150	0.50
4000	0.54
5000	0.59

Sound Absorption Average (SAA): 0.42

Noise Reduction Coefficient (NRC): 0.40

