

Group of 3 Dezibel divider panels 575x575 hanging

SOUND ABSORPTION AREA ACCORDING TO SS-EN ISO 354:2003, SS 25269:2013 and ISO 20189:2018

Measurement of sound absorption area in a reverberation room



Report number:
20-746-M9
Date
2020-11-30

Frequency f [Hz]	Sound absorption area [m ² Sabine]	
50	0.14	
63	0.06	0.09
80	0.06	
100	0.17	
125	0.20	0.23
160	0.32	
200	0.51	
250	0.56	0.60
315	0.72	
400	1.05	
500	1.31	1.3
630	1.48	
800	1.47	
1000	1.56	1.5
1250	1.55	
1600	1.57	
2000	1.55	1.6
2500	1.59	
3150	1.45	
4000	1.42	1.5
5000	1.51	

Client: Zilenzio
 Manufacturer: Zilenzio
 Product identification: Group of 3 Dezibel divider panels 575x575

Description of test specimen: Room dividing panel 575x575x40 made of a wooden frame with sound absorbing mineral wool filling covered with textile. Three connected panels hanging as one object.

Reverberation room volume: 200 m³
 Temperature: 15.8 °C (empty: 15.8 °C)
 Air humidity: 42 % (empty: 42 %)
 Air pressure: 99.3 kPa (empty: 99.3 kPa)
 Number of specimens: 2

Measurement date: 2020-11-30
 Measured by: Joachim Schubert

$$N_{10} = 7.7$$

