

# Dezibel floor screen 840x1300

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-M3  
Date  
2020-11-30

Frequency f [Hz]	Sound absorption area [m <sup>2</sup> Sabine]	
50	0.17	
63	0.23	0.22
80	0.25	
100	0.22	
125	0.39	0.34
160	0.42	
200	0.84	
250	0.83	0.85
315	0.88	
400	1.18	
500	1.31	1.4
630	1.62	
800	1.64	
1000	1.68	1.7
1250	1.76	
1600	1.72	
2000	1.69	1.7
2500	1.66	
3150	1.69	
4000	1.71	1.7
5000	1.80	

Client: Zilenzio  
 Manufacturer: Zilenzio  
 Product identification: Dezibel floor 840x1300

Description of test specimen: Floor screen with actual size 840x1275x40 mm made of a wooden frame with sound absorbing mineral wool filling covered with textile.

Reverberation room volume: 200 m<sup>3</sup>  
 Temperature: 16.5 °C (empty: 17.0 °C)  
 Air humidity: 41 % (empty: 41 %)  
 Air pressure: 99.5 kPa (empty: 99.5 kPa)  
 Number of specimens: 3

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

$$N_{10} = 7.1$$

