

Akufloor 1200 x 1600 x 40

SOUND ABSORPTION AREA - CALCULATED FROM MEASUREMENTS

Calculated sound absorption area from ISO 354:2003 reverberation room measurements, evaluated according to ISO 20189:2018

Report number:
2719-PM1-M4
Date
2022-11-17

Frequency f [Hz]	Sound absorption area per object [m ² Sabine]	
50	0.76	
63	0.63	0.60
80	0.41	
100	0.43	
125	0.97	0.80
160	0.99	
200	1.50	
250	1.51	1.6
315	1.80	
400	2.21	
500	2.51	2.6
630	2.94	
800	3.18	
1000	3.11	3.2
1250	3.37	
1600	3.47	
2000	3.35	3.4
2500	3.51	
3150	3.47	
4000	3.67	3.7
5000	3.85	

$$N_{10} = 3.8$$

Client: Akustil Sweden AB
 Manufacturer: Akustil Sweden AB
 Product identification: Akufloor 1000 x 1600 x 40

Description of test specimen: Sound absorbing floor screen with metal frame.
 Core of 100% recycled PET fibre dressed in polyester fabric.
 Size 1200 x 1600 x 40 mm.

Interpolation according to ISO 20189:2018
 appendix E, based on measurements:
 21-726-M1 - Akufloor 840x1800x40.txt
 and
 21-726-M2 - Akufloor 1220x1800x40.txt

	Height	Width
Object 1 size	1800	840
Object 2 size	1800	1220
Interpolated object size	1600	1200

Area difference 13 %

