

FeltTile 6 pieces hanging freely.

SOUND ABSORPTION AREA ACCORDING TO ISO 354 AND SS 25269

Measurement of sound absorption area in a reverberation room



Report number:
16-193-M10
Date
2016-11-07

Frequency f [Hz]	Sound absorption area [m ² Sabine]	
50	0.04	
63	0.14	0.1
80	0.16	
100	0.32	
125	0.63	0.4
160	0.10	
200	1.11	
250	0.97	1.1
315	1.14	
400	1.32	
500	1.97	1.9
630	2.40	
800	2.59	
1000	2.58	2.7
1250	2.96	
1600	2.98	
2000	2.88	3.1
2500	3.40	
3150	3.22	
4000	3.28	3.4
5000	3.59	

Client: Rom & Tonik AS
 Manufacturer: Rom & Tonik AS
 Product identification: FeltTile 6 pieces (2x3).
 Description of test specimen: Mounted hanging freely.
 990 x 1460 x 40 mm.

Reverberation room volume: 200 m³
 Temperature: 23.4 °C (empty: 24.8 °C)
 Air humidity: 35 % (empty: 32 %)
 Air pressure: 100.0 kPa (empty: 100.0 kPa)
 Number of specimens: 1

Measurement date: 2016-10-24
 Measured by: Carl Nyqvist

$N_{10} = 5.3$

