

# Membrane, group of 24 objects hanging free, pattern A

SOUND ABSORPTION AREA ACCORDING TO ISO 354 AND SS 25269

Measurement of sound absorption area in a reverberation room



Report number:  
15-226-M7  
Date  
2015-11-11

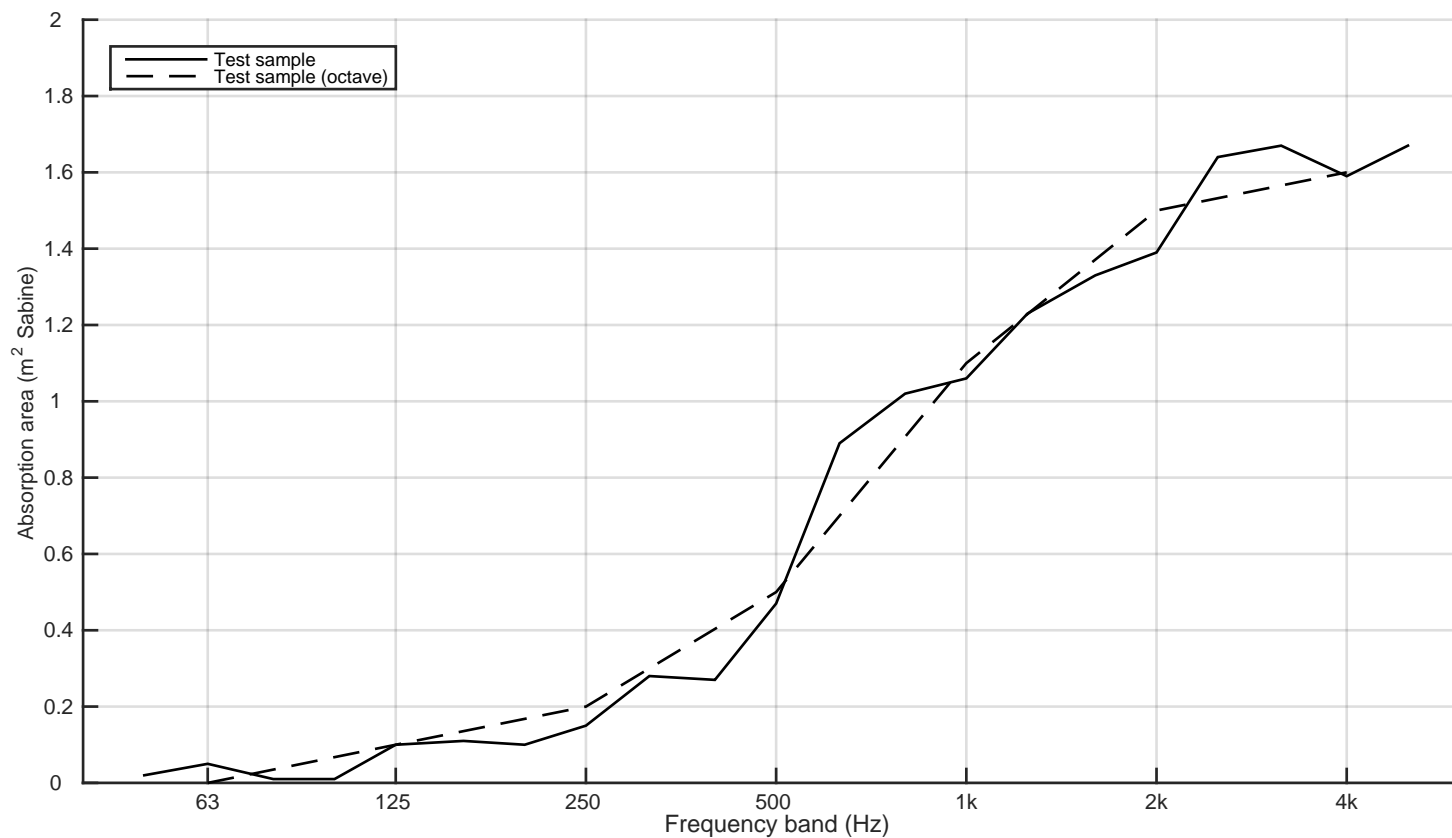
Frequency f [Hz]	Sound absorption area [m <sup>2</sup> Sabine]	
50	0.02	
63	0.05	0.0
80	0.01	
100	0.01	
125	0.10	0.1
160	0.11	
200	0.10	
250	0.15	0.2
315	0.28	
400	0.27	
500	0.47	0.5
630	0.89	
800	1.02	
1000	1.06	1.1
1250	1.23	
1600	1.33	
2000	1.39	1.5
2500	1.64	
3150	1.67	
4000	1.59	1.6
5000	1.67	

Client: Effect  
 Manufacturer: Effect  
 Product identification: Membrane

Description of test specimen: Two groups of 24 small objects of pressed felt hanging free. The scaling of the graph deviates from ISO 354 to increase readability.

Reverberation room volume: 200 m<sup>3</sup>  
 Temperature: 15.2 °C (empty: 14.7 °C)  
 Air humidity: 62 % (empty: 63 %)  
 Air pressure: 97.6 kPa (empty: 97.6 kPa)  
 Number of specimens: 2

Measurement date: 2015-11-10  
 Measured by: Carl Nyqvist



# Membrane, group of 24 objects 100 mm from wall, pattern A

SOUND ABSORPTION AREA ACCORDING TO ISO 354 AND SS 25269

Measurement of sound absorption area in a reverberation room



Report number:  
15-226-M5  
Date  
2015-11-11

Frequency f [Hz]	Sound absorption area [m <sup>2</sup> Sabine]	
50	0.00	
63	0.02	0.0
80	0.04	
100	0.00	
125	0.00	0.0
160	0.08	
200	0.10	
250	0.10	0.2
315	0.27	
400	0.37	
500	0.65	0.7
630	1.10	
800	1.20	
1000	1.11	1.2
1250	1.14	
1600	1.23	
2000	1.22	1.3
2500	1.39	
3150	1.34	
4000	1.46	1.5
5000	1.55	

Client: Effect  
 Manufacturer: Effect  
 Product identification: Membrane

Description of test specimen: Two groups of 24 small objects of pressed felt hanging 100 mm from the wall. The scaling of the graph deviates from ISO 354 to increase readability.

Reverberation room volume: 200 m<sup>3</sup>  
 Temperature: 14.6 °C (empty: 14.7 °C)  
 Air humidity: 64 % (empty: 63 %)  
 Air pressure: 97.6 kPa (empty: 97.6 kPa)  
 Number of specimens: 2

Measurement date: 2015-11-10  
 Measured by: Carl Nyqvist

