

Effekt 900x1200

SOUND ABSORPTION AREA ACCORDING TO ISO 354 AND SS 25269

Measurement of sound absorption area in a reverberation room



Report number:
16-239-M12
Date
2016-12-02

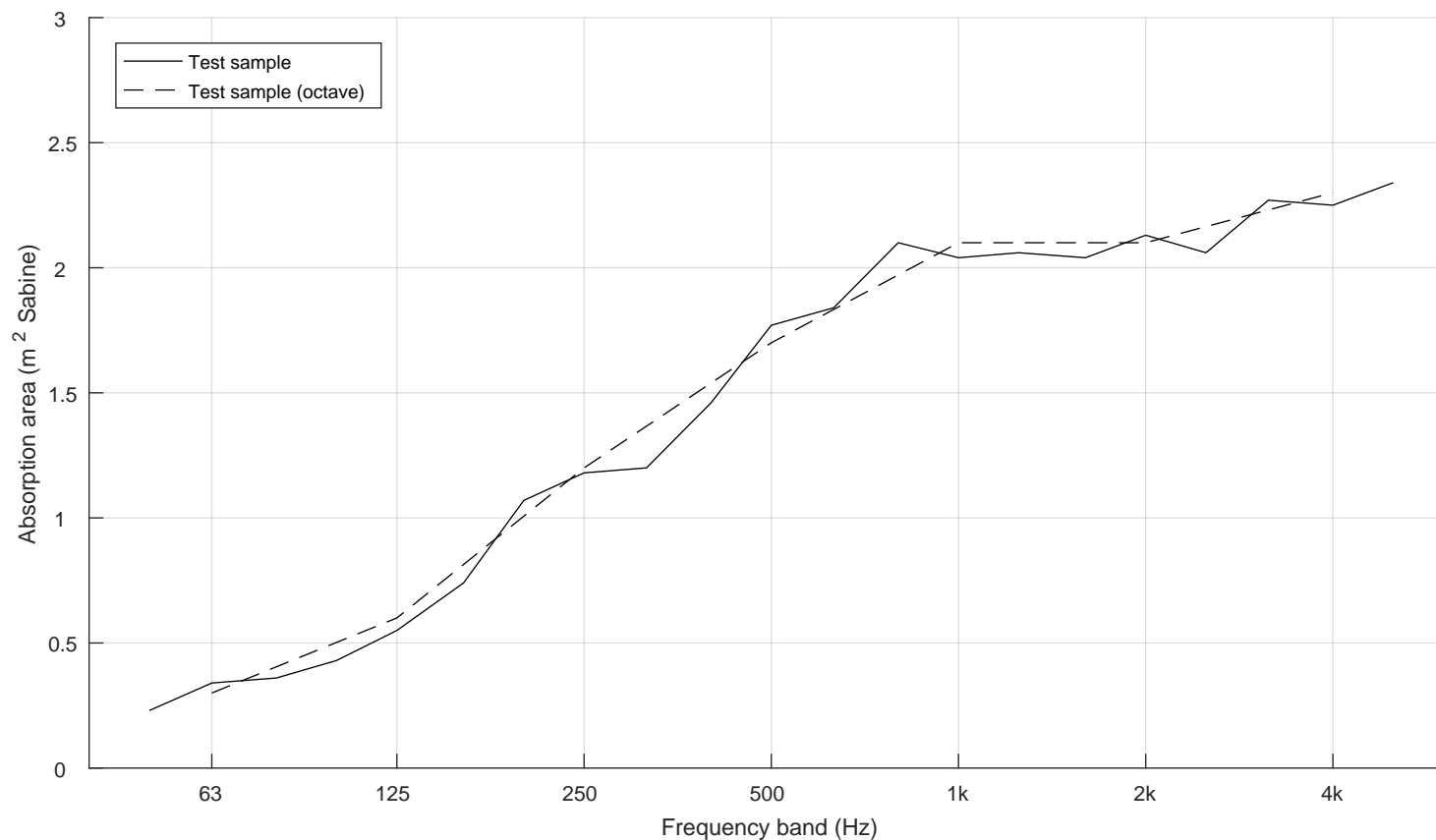
Frequency f [Hz]	Sound absorption area [m ² Sabine]	
50	0.23	
63	0.34	0.3
80	0.36	
100	0.43	
125	0.55	0.6
160	0.74	
200	1.07	
250	1.18	1.2
315	1.20	
400	1.46	
500	1.77	1.7
630	1.84	
800	2.10	
1000	2.04	2.1
1250	2.06	
1600	2.04	
2000	2.13	2.1
2500	2.06	
3150	2.27	
4000	2.25	2.3
5000	2.34	

Client: Akustikmiljö AB
Manufacturer: Akustikmiljö AB
Product identification: Effekt

Description of test specimen: Sound absorbing baffle 900x1200x50 measured standing on the floor. The graph scaling deviates from ISO 354 to increase readability.

Reverberation room volume: 200 m³
Temperature: 16.6 °C (empty: 17.7 °C)
Air humidity: 40 % (empty: 37 %)
Air pressure: 100.0 kPa (empty: 100.0 kPa)
Number of specimens: 3

Measurement date: 2016-11-25
Measured by: Johan Jernstedt



$$N_{10} = 5.9$$