Clamp ceiling 60

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

Ackred. nr. 10445
Provning
ISO/IEC 17025

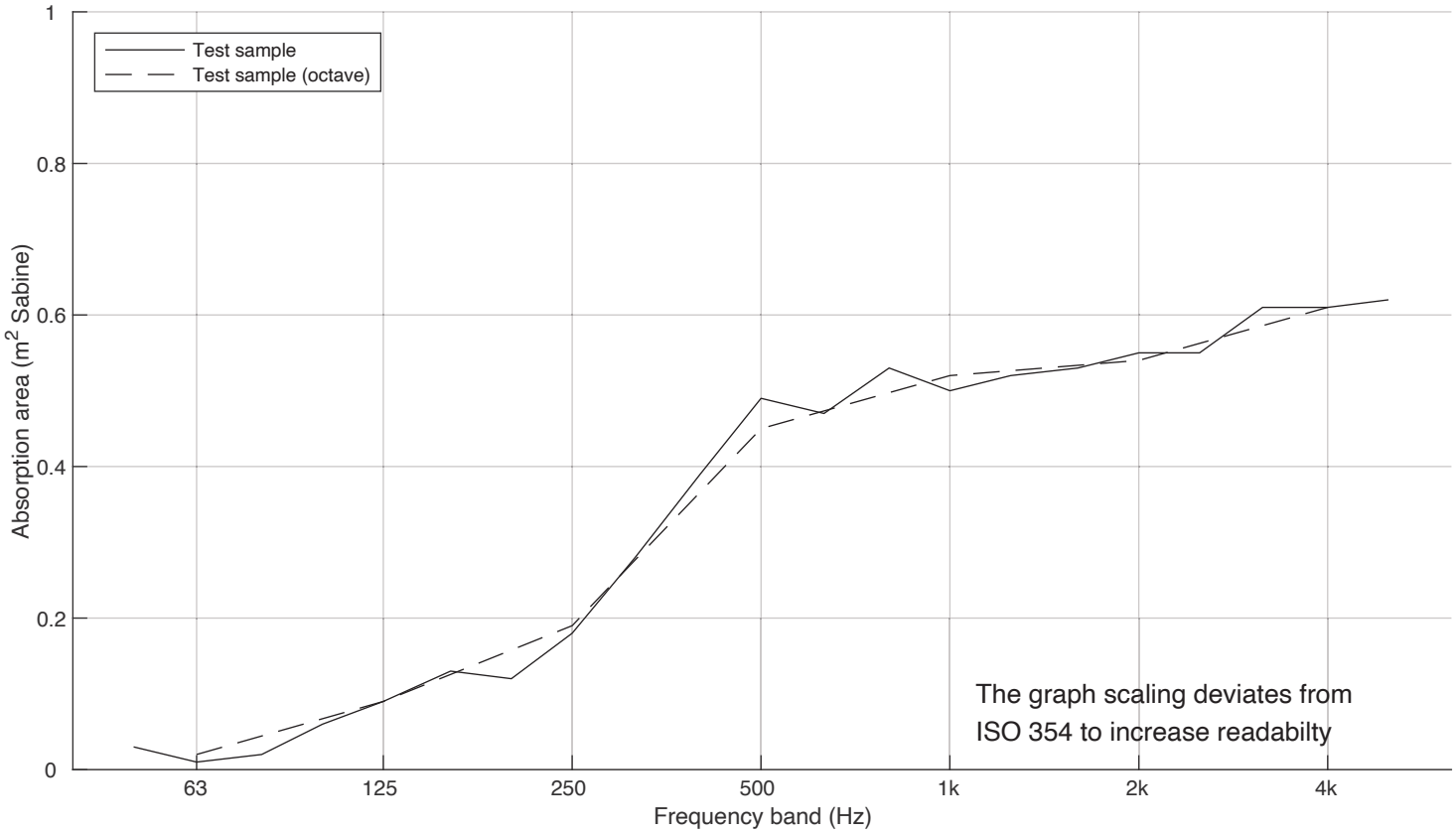
Report number:
21-738-M19
Date
2021-10-29

Frequency f [Hz]	Sound absorption area per object [m^2 Sabine]	
50	0.03	
63	0.01	0.02
80	0.02	
100	0.06	
125	0.09	0.09
160	0.13	
200	0.12	
250	0.18	0.19
315	0.28	
400	0.39	
500	0.49	0.45
630	0.47	
800	0.53	
1000	0.50	0.52
1250	0.52	
1600	0.53	
2000	0.55	0.54
2500	0.55	
3150	0.61	
4000	0.61	0.61
5000	0.62	

$N_{10} = 22$

Client:	Decibel by Johansson
Manufacturer:	Decibel by Johansson
Product identification:	Clamp ceiling 60
Description of test specimen:	Sound absorbing panel made of glass wool filling covered with fabric with a bent rod metal frame. Thickness is 50 mm. Tested suspended in wires hanging from the roof.

Reverberation room volume:	200 m^3	
Temperature:	17.4 °C	(empty: 17.2 °C)
Air humidity:	52 %	(empty: 52 %)
Air pressure:	98.7 kPa	(empty: 98.8 kPa)
Number of objects:	7	
Measurement date:	2021-10-12	
Measured by:	Joachim Schubert	



AKUSTIKVERKSTAN

Clamp ceiling 80

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

Ackred. nr. 10445
Provning
ISO/IEC 17025

Report number:
21-738-M20
Date
2021-10-29

Frequency f [Hz]	Sound absorption area per object [m^2 Sabine]	
50	0.05	
63	0.03	0.04
80	0.05	
100	0.08	
125	0.13	0.13
160	0.17	
200	0.16	
250	0.31	0.30
315	0.43	
400	0.69	
500	0.78	0.73
630	0.73	
800	0.75	
1000	0.70	0.73
1250	0.75	
1600	0.75	
2000	0.79	0.80
2500	0.86	
3150	0.88	
4000	0.91	0.90
5000	0.90	

$N_{10} = 14$

Client: Decibel by Johansson

Manufacturer: Decibel by Johansson

Product identification: Clamp ceiling 80

Description of test specimen: Sound absorbing panel made of glass wool filling covered with fabric with a bent rod metal frame. Thickness is 50 mm. Tested suspended in wires hanging from the roof.

Reverberation room volume: 200 m^3

Temperature: 17.5 °C (empty: 17.2 °C)

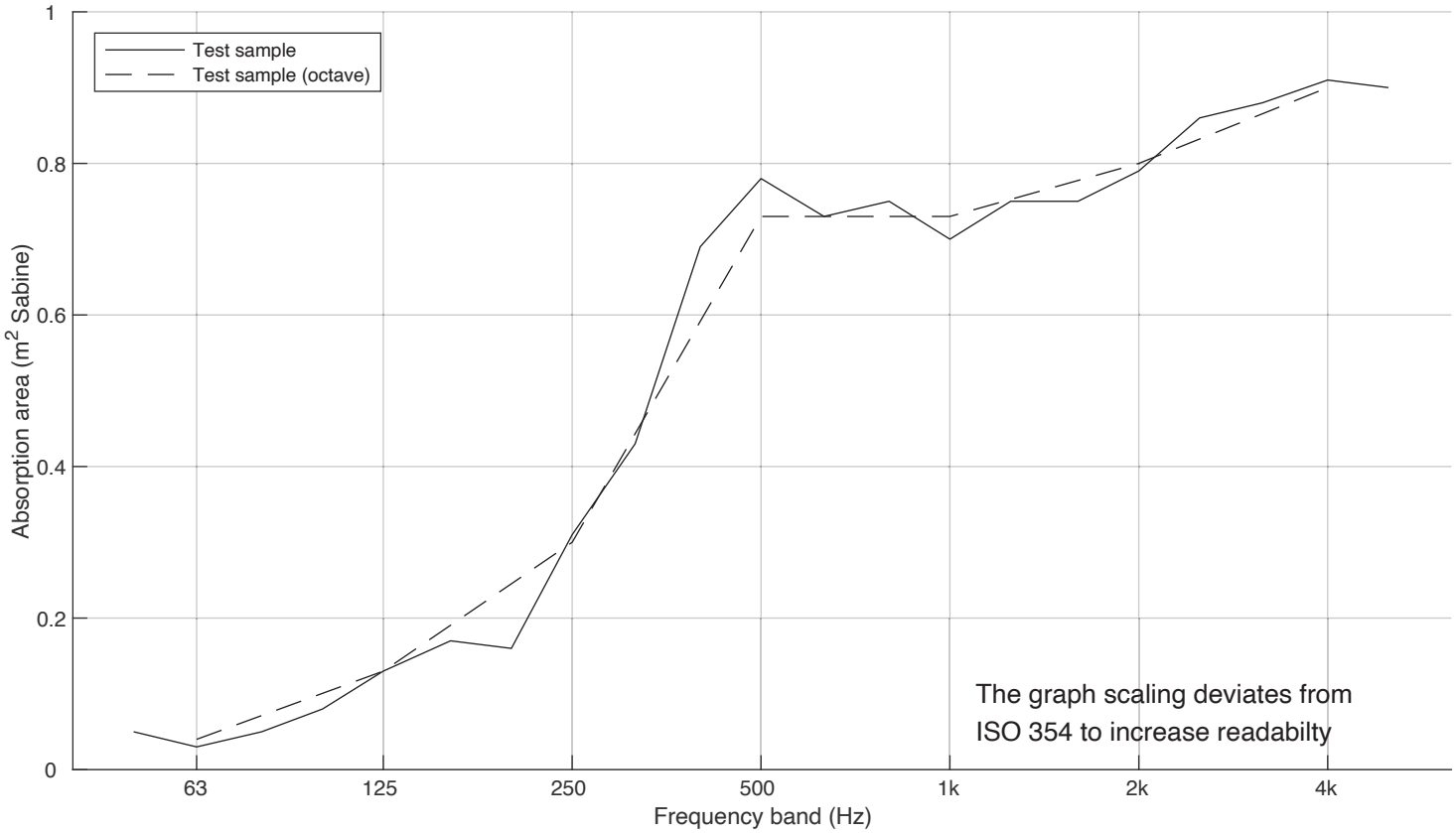
Air humidity: 52 % (empty: 52 %)

Air pressure: 98.7 kPa (empty: 98.8 kPa)

Number of objects: 5

Measurement date: 2021-10-12

Measured by: Joachim Schubert



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