PRODUCT DECLARATION

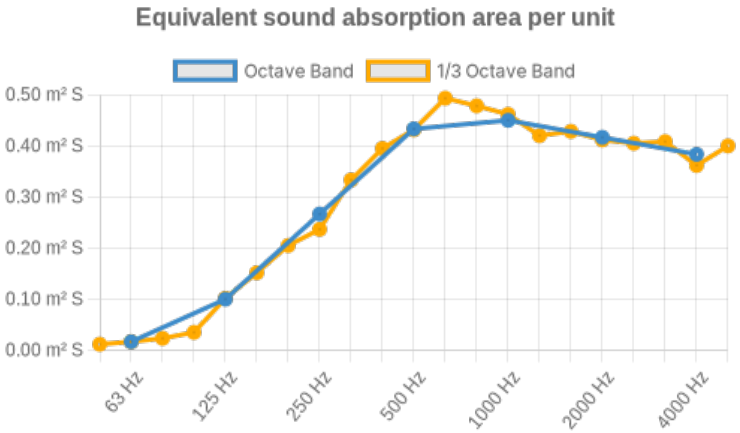
SOUND ABSORPTION AREA FOR OBJECT

Measured and evaluated according to ISO 354 and ISO 20189

Producer:	Decibel AB
Object:	Loop
Size [mm]:	w=40 h=600 d=600

Equivalent sound absorption area per unit (m² Sabine)

f(Hz)	1/3 Octave Band	Octave Band
50	0.01	
63	0.02	0.02
80	0.02	
100	0.03	
125	0.10	0.10
160	0.15	
200	0.20	
250	0.24	0.27
315	0.33	
400	0.40	
500	0.43	0.43
630	0.49	
800	0.48	
1000	0.46	0.45
1250	0.42	
1600	0.43	
2000	0.41	0.42
2500	0.41	
3150	0.41	
4000	0.36	0.38
5000	0.40	



N_{10} = 4.3

ORIGINAL TEST REPORT	DATE OF REPORT
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PRODUCT DECLARATION

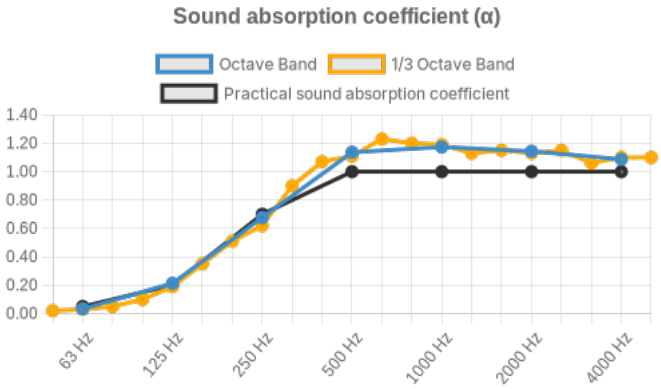
SOUND ABSORPTION COEFFICIENT FOR SURFACE

Measured and evaluated according to ISO 354 and ISO 11654

Producer:	Decibel AB
Object:	Loop
Size [mm]:	w=40 h=600 d=600

Sound absorption coefficient

f(Hz)	1/3 Octave Band (α_s)	Octave Band (α)	Practical sound absorption coefficient (α_p)
50	0.02		
63	0.03	0.03	0.05
80	0.05		
100	0.10		
125	0.19	0.21	0.20
160	0.35		
200	0.51		
250	0.62	0.68	0.70
315	0.90		
400	1.07		
500	1.11	1.14	1.00
630	1.23		
800	1.20		
1000	1.19	1.17	1.00
1250	1.13		
1600	1.15		
2000	1.13	1.14	1.00
2500	1.15		
3150	1.06		
4000	1.10	1.09	1.00
5000	1.10		



ORIGINAL TEST REPORT	DATE OF REPORT
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