



PRODUCT DECLARATION

SOUND ABSORPTION AREA FOR OBJECT

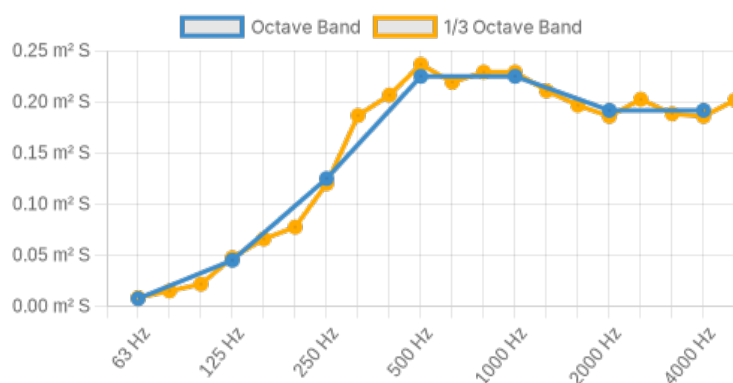
Measured and evaluated according to ISO 354 and ISO 20189

Producer:	Decibel AB
Object:	Hertz
Size [mm]:	w=50 h=600 d=300

Equivalent sound absorption area per unit (m² Sabine)

f(Hz)	1/3 Octave Band	Octave Band
50	0.00	
63	0.01	0.01
80	0.01	
100	0.02	
125	0.05	0.05
160	0.07	
200	0.08	
250	0.12	0.13
315	0.19	
400	0.21	
500	0.24	0.23
630	0.22	
800	0.23	
1000	0.23	0.23
1250	0.21	
1600	0.20	
2000	0.19	0.19
2500	0.20	
3150	0.19	
4000	0.19	0.19
5000	0.20	

Equivalent sound absorption area per unit



N₁₀ = 4.3

ORIGINAL TEST REPORT	DATE OF REPORT
21-738-M9	2021-10-29





PRODUCT DECLARATION

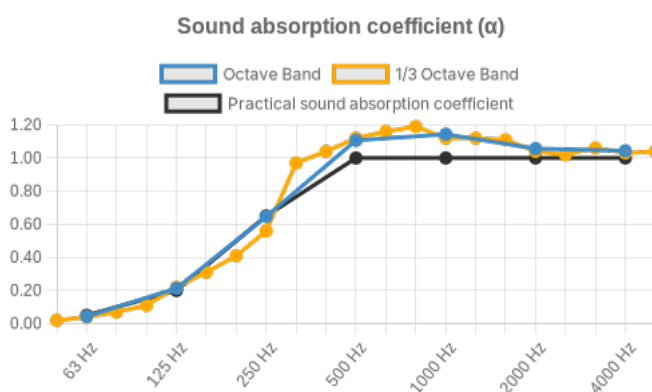
SOUND ABSORPTION COEFFICIENT FOR SURFACE

Measured and evaluated according to ISO 354 and ISO 11654

Producer:	Decibel AB
Object:	Hertz
Size [mm]:	w=50 h=600 d=300

Sound absorption coefficient

f(Hz)	1/3 Octave Band (α_s)	Octave Band (α)	Practical sound absorption coefficient (α_p)
50	0.02		
63	0.04	0.04	0.05
80	0.07		
100	0.11		
125	0.22	0.21	0.20
160	0.31		
200	0.41		
250	0.56	0.65	0.65
315	0.97		
400	1.04		
500	1.12	1.11	1.00
630	1.16		
800	1.19		
1000	1.12	1.14	1.00
1250	1.12		
1600	1.11		
2000	1.04	1.06	1.00
2500	1.02		
3150	1.06		
4000	1.03	1.04	1.00
5000	1.04		



$\alpha_w = 0.95$

ORIGINAL TEST REPORT	DATE OF REPORT
21-738-M8	2021-10-29

