



# PRODUCT DECLARATION

## SOUND ABSORPTION AREA FOR OBJECT

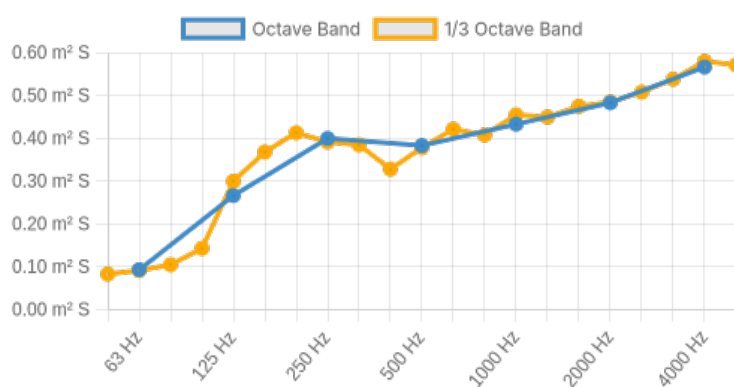
Measured and evaluated according to ISO 354 and ISO 20189

<b>Producer:</b>	Offecct
<b>Object:</b>	Spiegel Panel
<b>Size [mm]:</b>	w=595 h=473 d=595

### Equivalent sound absorption area per unit (m<sup>2</sup> Sabine)

f(Hz)	1/3 Octave Band	Octave Band
50	0.08	
63	0.09	0.09
80	0.10	
100	0.14	
125	0.30	0.27
160	0.37	
200	0.41	
250	0.39	0.40
315	0.39	
400	0.33	
500	0.38	0.38
630	0.42	
800	0.41	
1000	0.46	0.43
1250	0.45	
1600	0.48	
2000	0.49	0.48
2500	0.51	
3150	0.54	
4000	0.58	0.57
5000	0.57	

Equivalent sound absorption area per unit



N<sub>10</sub> = 27

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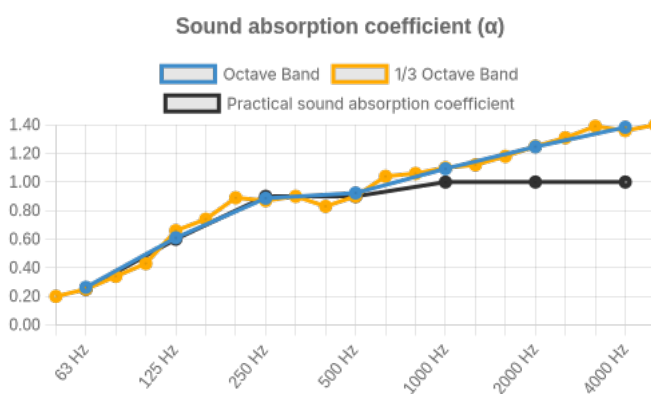
## SOUND ABSORPTION COEFFICIENT FOR SURFACE

Measured and evaluated according to ISO 354 and ISO 11654

<b>Producer:</b>	Offecct
<b>Object:</b>	Spiegel Panel
<b>Size [mm]:</b>	w=595 h=473 d=595

### Sound absorption coefficient

f(Hz)	1/3 Octave Band ( $\alpha_s$ )	Octave Band ( $\alpha$ )	Practical sound absorption coefficient ( $\alpha_p$ )
50	0.20		
63	0.25	0.26	0.25
80	0.34		
100	0.43		
125	0.66	0.61	0.60
160	0.74		
200	0.89		
250	0.87	0.89	0.90
315	0.90		
400	0.83		
500	0.90	0.92	0.90
630	1.04		
800	1.06		
1000	1.10	1.09	1.00
1250	1.12		
1600	1.18		
2000	1.25	1.25	1.00
2500	1.31		
3150	1.39		
4000	1.36	1.38	1.00
5000	1.40		



$\alpha_w = 1$

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