

Appendix 4

Sound absorption coefficient according to SS-EN ISO 11654																																									
Measurement of sound absorption coefficient in a reverberation room																																									
Client:	Saint-Gobain Ecophon AB	Date of test:	2024-09-26																																						
Description:	ODS 45 mm																																								
Object:	Fade ONE Smooth 40 mm (A)																																								
Empty reverberation room:		Reverberation room with object:																																							
Relative humidity:	81,9 %	Relative humidity:	82,4 %																																						
Temperature:	20,8 °C	Temperature:	21,1 °C																																						
Barometric pressure:	99,1 kPa	Barometric pressure:	99,1 kPa																																						
Surface area:	10,80 m ²																																								
Room volume:	200,0 m ³																																								
Total room area S _r :	211,4 m ²																																								
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="padding: 5px;">Frequency f [Hz]</th> <th style="padding: 5px;">α_p 1/1 octave</th> </tr> </thead> <tbody> <tr><td style="padding: 5px;">100</td><td style="padding: 5px;"></td></tr> <tr><td style="padding: 5px;">125</td><td style="padding: 5px;">0,25</td></tr> <tr><td style="padding: 5px;">160</td><td style="padding: 5px;"></td></tr> <tr><td style="padding: 5px;">200</td><td style="padding: 5px;"></td></tr> <tr><td style="padding: 5px;">250</td><td style="padding: 5px;">0,70</td></tr> <tr><td style="padding: 5px;">315</td><td style="padding: 5px;"></td></tr> <tr><td style="padding: 5px;">400</td><td style="padding: 5px;"></td></tr> <tr><td style="padding: 5px;">500</td><td style="padding: 5px;">0,95</td></tr> <tr><td style="padding: 5px;">630</td><td style="padding: 5px;"></td></tr> <tr><td style="padding: 5px;">800</td><td style="padding: 5px;"></td></tr> <tr><td style="padding: 5px;">1000</td><td style="padding: 5px;">0,95</td></tr> <tr><td style="padding: 5px;">1250</td><td style="padding: 5px;"></td></tr> <tr><td style="padding: 5px;">1600</td><td style="padding: 5px;"></td></tr> <tr><td style="padding: 5px;">2000</td><td style="padding: 5px;">0,95</td></tr> <tr><td style="padding: 5px;">2500</td><td style="padding: 5px;"></td></tr> <tr><td style="padding: 5px;">3150</td><td style="padding: 5px;"></td></tr> <tr><td style="padding: 5px;">4000</td><td style="padding: 5px;">0,95</td></tr> <tr><td style="padding: 5px;">5000</td><td style="padding: 5px;"></td></tr> </tbody> </table>	Frequency f [Hz]	α _p 1/1 octave	100		125	0,25	160		200		250	0,70	315		400		500	0,95	630		800		1000	0,95	1250		1600		2000	0,95	2500		3150		4000	0,95	5000				
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<div style="border: 1px solid black; padding: 10px;"> <p style="margin: 0;">Weighted sound absorption coefficient according to SS-EN ISO 11654</p> <p style="margin: 5px 0 0 20px;">α_w = 0,95</p> <p style="margin: 0 0 0 200px;">Classification: A</p> </div>																																									