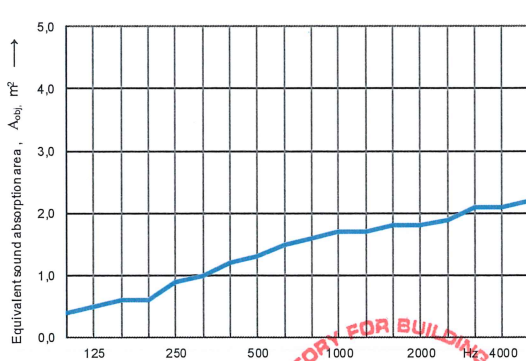


Protocol

Equivalent sound absorption area according to ISO 354																																							
Measurement of sound absorption area per object in a reverberation room																																							
Client:	XAL GmbH, Auer-Welsbach-Gasse 36, AT-8055 Graz																																						
Date of test:	28.04.2025																																						
Description:	Productname: SOUNDCATCHER SOFT SQ 1000 Type: double layer, PET felt, aluminum inset																																						
Object:	Test in full accordance with EN ISO 354. Setup of the test specimen in full accordance with EN ISO 354, section 6.2.2. The setup consists of 3 individual elements (side length: 1000 mm, d ~7 mm, construction depth: ~150 mm) randomly distributed at a distance of at least d = 200 cm from each other. Element consisting of PET felt with round cut-out (diameter: ~230 mm) and an aluminium blind insert. Lamp shade model: SOUNDCATCHER SOFT SQ 1000 Blind insert: Mita AC 240 RD BLIND SUSPENSION Distance to the floor with 4 adjustable feet each, consisting of threaded rods (M10, l = 1000 mm) and multiplex base plate. • Test specimen area per element (front and back): 3x ~2,56 m² = 7,68 m² (total surface area PET material, without front sides, according to manufacturer) • Distance from the floor to the bottom edge of the test specimen: ~93,5 cm • Construction height: d ~108,5 cm • Weight per element: ~3,90 kg, without blind insert																																						
Empty reverberation room:	Reverberation room with object																																						
Relative humidity:	51,9 %																																						
Temperature:	22,2 °C																																						
Barometric pressure:	98,6 kPa																																						
Surface area:	7,68 m²																																						
Room volume:	244,3 m³																																						
Total room area S _i :	240,1 m²																																						
<table border="1"> <thead> <tr> <th>Frequency f [Hz]</th> <th>A_{obj} 1/3 octave [m²]</th> </tr> </thead> <tbody> <tr><td>100</td><td>0,4</td></tr> <tr><td>125</td><td>0,5</td></tr> <tr><td>160</td><td>0,6</td></tr> <tr><td>200</td><td>0,6</td></tr> <tr><td>250</td><td>0,9</td></tr> <tr><td>315</td><td>1,0</td></tr> <tr><td>400</td><td>1,2</td></tr> <tr><td>500</td><td>1,3</td></tr> <tr><td>630</td><td>1,5</td></tr> <tr><td>800</td><td>1,6</td></tr> <tr><td>1000</td><td>1,7</td></tr> <tr><td>1250</td><td>1,7</td></tr> <tr><td>1600</td><td>1,8</td></tr> <tr><td>2000</td><td>1,8</td></tr> <tr><td>2500</td><td>1,9</td></tr> <tr><td>3150</td><td>2,1</td></tr> <tr><td>4000</td><td>2,1</td></tr> <tr><td>5000</td><td>2,2</td></tr> </tbody> </table>	Frequency f [Hz]	A _{obj} 1/3 octave [m²]	100	0,4	125	0,5	160	0,6	200	0,6	250	0,9	315	1,0	400	1,2	500	1,3	630	1,5	800	1,6	1000	1,7	1250	1,7	1600	1,8	2000	1,8	2500	1,9	3150	2,1	4000	2,1	5000	2,2	
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5000	2,2																																						
Name of test institute:	Labor für Bauphysik																																						
No. of test report:	B25-044-A17004-354a_kaso_Aobj																																						
Date:	28.04.2025																																						
Signature:	DI J. Kasim																																						