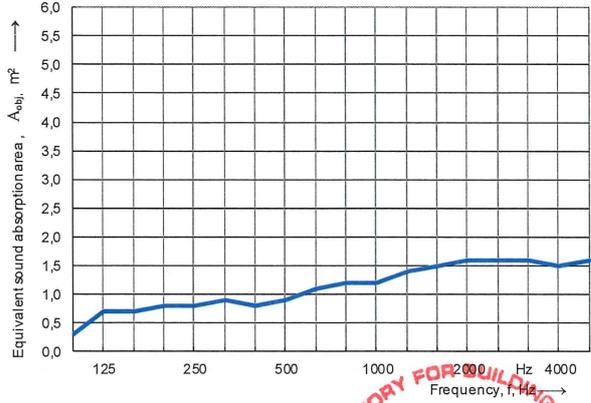


## Protocol

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:	23.05.2023																																						
Description:	Product name: MOVE IT 25 / 45 ACOUSTIC half grid inlay  Test according to EN ISO 354. Test performed with reduced number of speaker-microphone-combinations.																																						
Object:	Structure of the test specimen according to EN ISO 354, point 6.2.2.  Configuration consisting of a total of 3 pieces of MOVE IT 25 / 45 ACOUSTIC half grid inlay (Dimensions: 635 mm x 1235 mm, d = 25 mm) randomly distributed at a distance of at least d = 200 cm from each other. Element consisting of PET felt.  Distance to the floor created with 3 adjustable feet each, consisting of threaded rods and wooden base.  <ul style="list-style-type: none"> <li>• Test specimen surface per element (front side): 3x ~0,784 m<sup>2</sup> = 2,35 m<sup>2</sup></li> <li>• Distance from the floor to the lower edge of the test specimen: ~40 cm</li> <li>• Construction height: d ~425 mm</li> <li>• Weight per element: ~2,98 kg</li> </ul> Due to customer request, the graphical representation of the result deviates with regard to the y-axis distance according to EN ISO 354, point 8.3.																																						
Empty reverberation room:	Reverberation room with object																																						
Relative humidity:	55,9 %																																						
Relative humidity:	58,1 %																																						
Temperature:	20,3 °C																																						
Temperature:	20,6 °C																																						
Barometric pressure:	97,3 kPa																																						
Barometric pressure:	97,2 kPa																																						
Surface area:	2,35 m <sup>2</sup>																																						
Room volume:	244,3 m <sup>3</sup>																																						
Total room area S <sub>t</sub> :	240,1 m <sup>2</sup>																																						
<table border="1"> <thead> <tr> <th>Frequency f [Hz]</th> <th>Aobj 1/3 octave [m<sup>2</sup>]</th> </tr> </thead> <tbody> <tr><td>100</td><td>0,3</td></tr> <tr><td>125</td><td>0,7</td></tr> <tr><td>160</td><td>0,7</td></tr> <tr><td>200</td><td>0,8</td></tr> <tr><td>250</td><td>0,8</td></tr> <tr><td>315</td><td>0,9</td></tr> <tr><td>400</td><td>0,8</td></tr> <tr><td>500</td><td>0,9</td></tr> <tr><td>630</td><td>1,1</td></tr> <tr><td>800</td><td>1,2</td></tr> <tr><td>1000</td><td>1,2</td></tr> <tr><td>1250</td><td>1,4</td></tr> <tr><td>1600</td><td>1,5</td></tr> <tr><td>2000</td><td>1,6</td></tr> <tr><td>2500</td><td>1,6</td></tr> <tr><td>3150</td><td>1,6</td></tr> <tr><td>4000</td><td>1,5</td></tr> <tr><td>5000</td><td>1,6</td></tr> </tbody> </table>	Frequency f [Hz]	Aobj 1/3 octave [m <sup>2</sup> ]	100	0,3	125	0,7	160	0,7	200	0,8	250	0,8	315	0,9	400	0,8	500	0,9	630	1,1	800	1,2	1000	1,2	1250	1,4	1600	1,5	2000	1,6	2500	1,6	3150	1,6	4000	1,5	5000	1,6	
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Name of test institute:	Laboratory for Building Science																																						
No. of test report:	B23-047-A17004-354a_kaso_Aobj																																						
Date:	23.05.2023																																						
Signature:	DI J. Kasim																																						

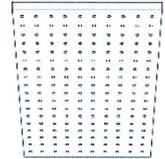


Figure 1: Exemplary representation of the test specimen (does not correspond to the actual installation situation)