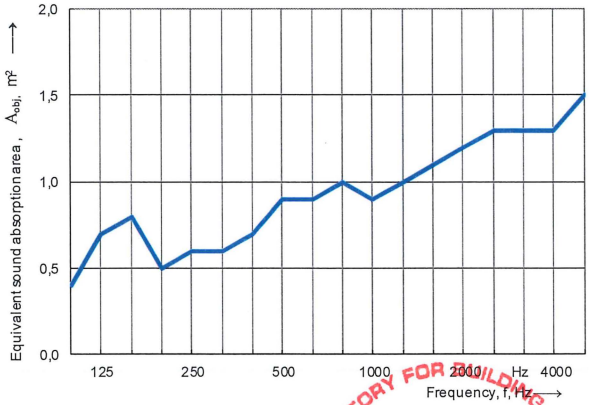



Protocol

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: INO 1200 circle acoustic
	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 INO 1200 circle acoustic diameter: 794 mm, d = 9 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"> • Test specimen surface per element (front and back): $3 \times \sim 1,732 \text{ m}^2 = 5,20 \text{ m}^2$ • Distance from the floor to the lower edge of the test specimen: $\sim 100 \text{ cm}$ • Construction height: $\sim 1009 \text{ mm}$ • Weight per element: $\sim 1,54 \text{ kg}$
	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:	57,9 %
Temperature:	20,3 °C
Temperature:	20,4 °C
Barometric pressure:	97,3 kPa
Barometric pressure:	97,2 kPa
Surface area:	5,20 m ²
Room volume:	244,3 m ³
Total room area S_i :	240,1 m ²
Frequency	Aobj
f	1/3 octave
[Hz]	[m ²]
100	0,4
125	0,7
160	0,8
200	0,5
250	0,6
315	0,6
400	0,7
500	0,9
630	0,9
800	1,0
1000	0,9
1250	1,0
1600	1,1
2000	1,2
2500	1,3
3150	1,3
4000	1,3
5000	1,5
	
	
Name of test institute:	Laboratory for Building Science
No. of test report:	B23-047-A17003-354a_kaso_Aobj
Date:	23.05.2023
Signature:	DI J. Kasim

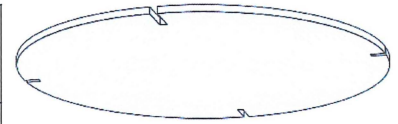


Figure 1: Exemplary representation of the test specimen (does not correspond to the actual installation situation)