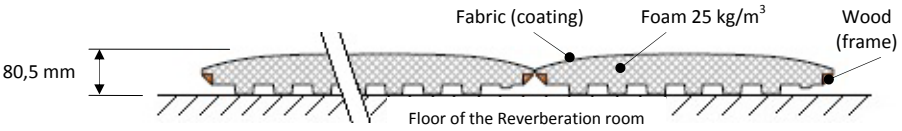
EUSKO JAURLARITZA GOBIERNO VASCO
EMPLEGU ETA GIZARTE POLITIKETAKO SAILA
Etxebizitza Zuzendaritza
Eraikuntzaren Kalitate Kontrolerako Laborategia
DEPARTAMENTO DE EMPLEO Y POLÍTICAS SOCIALES
Dirección de Vivienda
Laboratorio de Control de Calidad de la Edificación

Sound Absorption Coefficient according to EN ISO 354:2003
Laboratory measurements

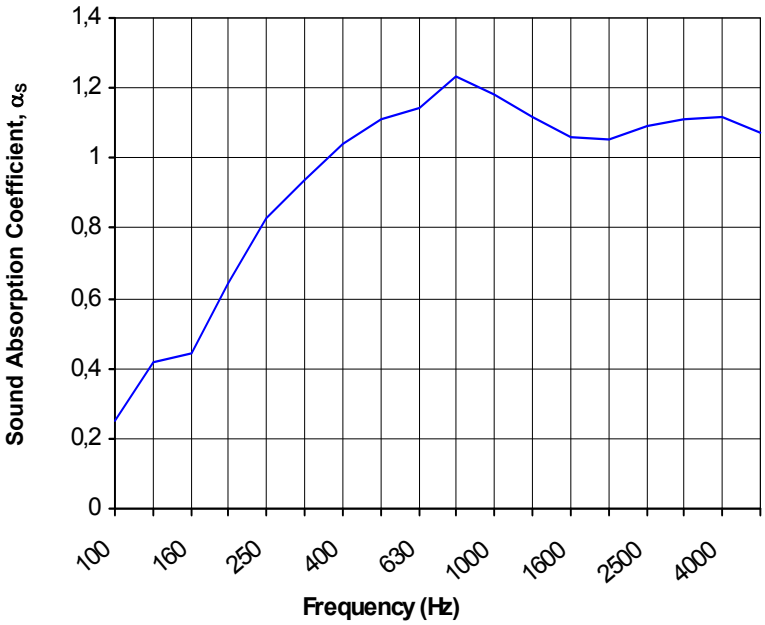
Applicant: ARTFAZIUM – ENGINEERING UNIPESSOAL Lda. **Date of test:** May 6th, 2.015.
Test specimen: *Andrea Absorber* panels of 595x595mm. See details in the report.



Room without test specimen:
18,2 ºC, 59%, 959 mbar
Room with test specimen:
18,3 ºC, 63%, 959 mbar

Reverberation room volume: 209,6 m^3
Reverberation room area: 211,8 m^2
S = 11,13 m^2

f (Hz)	T_1	T_2	α_s	α_p
100	9,10	5,21	**0,25**	
125	8,92	4,02	**0,42**	**0,35**
160	9,43	4,02	**0,44**	
200	10,42	3,27	**0,64**	
250	10,22	2,69	**0,83**	**0,80**
315	8,89	2,38	**0,94**	
400	8,74	2,20	**1,04**	
500	9,26	2,12	**1,11**	**1,00**
630	9,15	2,06	**1,14**	
800	8,59	1,92	**1,23**	
1000	7,96	1,95	**1,18**	**1,00**
1250	7,31	1,98	**1,12**	
1600	6,46	1,99	**1,06**	
2000	5,55	1,91	**1,05**	**1,00**
2500	4,65	1,75	**1,09**	
3150	3,76	1,60	**1,11**	
4000	2,94	1,43	**1,12**	**1,00**
5000	2,29	1,29	**1,07**	



Weighted according to EN ISO 11654:1997

Sound Absorption coefficient:	Acoustic class:
α_w = 1,00	**A**

Evaluation based on laboratory measurement obtained by an engineering method.
Uncertainty associated to global index α_w: ± 0,1.

ENAC ENSAYOS Nº 4/LE456 ilac-MRA

Nº of result: B2015-20-M245
Signature:
Acoustics Area Managed by tecnalia

Date of report: May 14th, 2.015.