

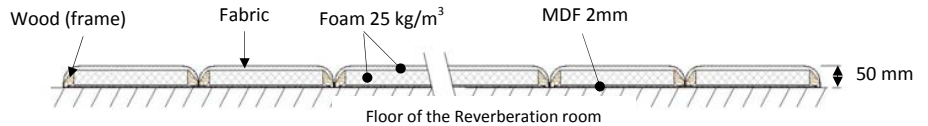


**Sound Absorption Coefficient according to EN ISO 354:2003
Laboratory measurements**

Applicant: ARTFAZIUM – ENGINEERING UNIPESSOAL Lda.

Date of test: July 30th, 2.015.

Test specimen: Belem Absorber panels of 595x595mm. See details in the report.



Room without test specimen:

22,4 °C, 63%, 957 mbar

Room with test specimen:

22,6 °C, 61%, 957 mbar

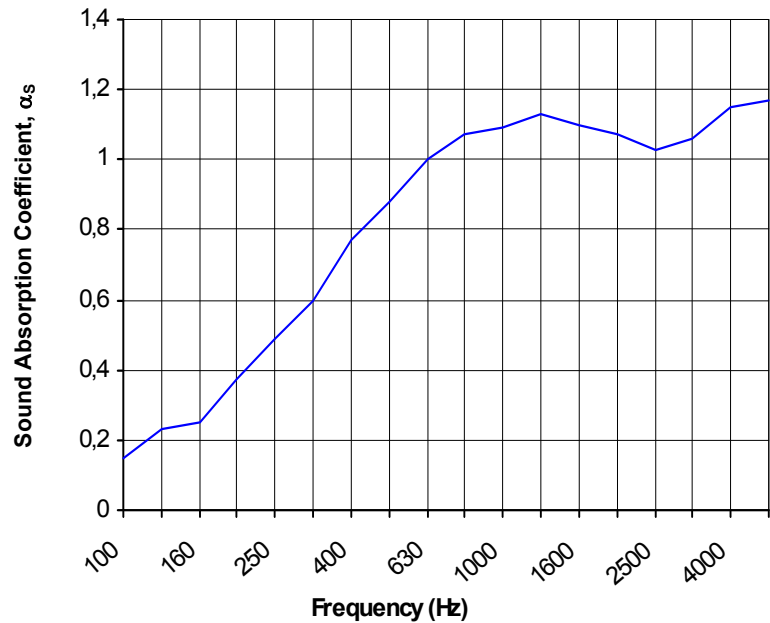
Reverberation room volume: 209,6 m³

Reverberation room area: 211,8 m²

S = 10,75 m²



f (Hz)	T ₁	T ₂	α _s	α _p
100	9,22	6,36	0,15	0,20
125	8,47	5,18	0,23	
160	9,62	5,41	0,25	
200	10,09	4,57	0,37	0,50
250	9,84	3,85	0,49	
315	9,17	3,34	0,60	
400	9,01	2,80	0,77	
500	9,04	2,56	0,88	0,90
630	8,72	2,31	1,00	
800	8,15	2,15	1,07	
1000	7,63	2,08	1,09	1,00
1250	6,95	1,98	1,13	
1600	6,25	1,96	1,10	
2000	5,41	1,90	1,07	1,00
2500	4,67	1,84	1,03	
3150	3,91	1,68	1,06	
4000	3,17	1,46	1,15	1,00
5000	2,47	1,28	1,17	



Weighted according to EN ISO 11654:1997

Sound Absorption coefficient:

Acoustic class:

α_w = 0,80 (H)

B

Evaluation based on laboratory measurement obtained by an engineering method.

Uncertainty associated to global index α_w: ± 0,1.



Nº of result: B2015-20-M252

Signature:

Acoustics Area

Date of report: September 7th, 2.015.

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