



Weighted sound absorption coefficient according to **ISO 11654** and shape indicators **$\alpha W = 0.90$**

Data according to:

EN ISO 354-2003 : Acoustics - Measurement of sound absorption in a reverberation room

EN ISO 11654-1998 : Acoustic sounds absorbers for use in buildings. Rating of sound absorption.

Item = SOLI - SHHH - 2,4Kg/m²

T1 = Average reverberation time without item under test

T2 = Average reverberation time with element under test

Chamber volume **V= 191m³**

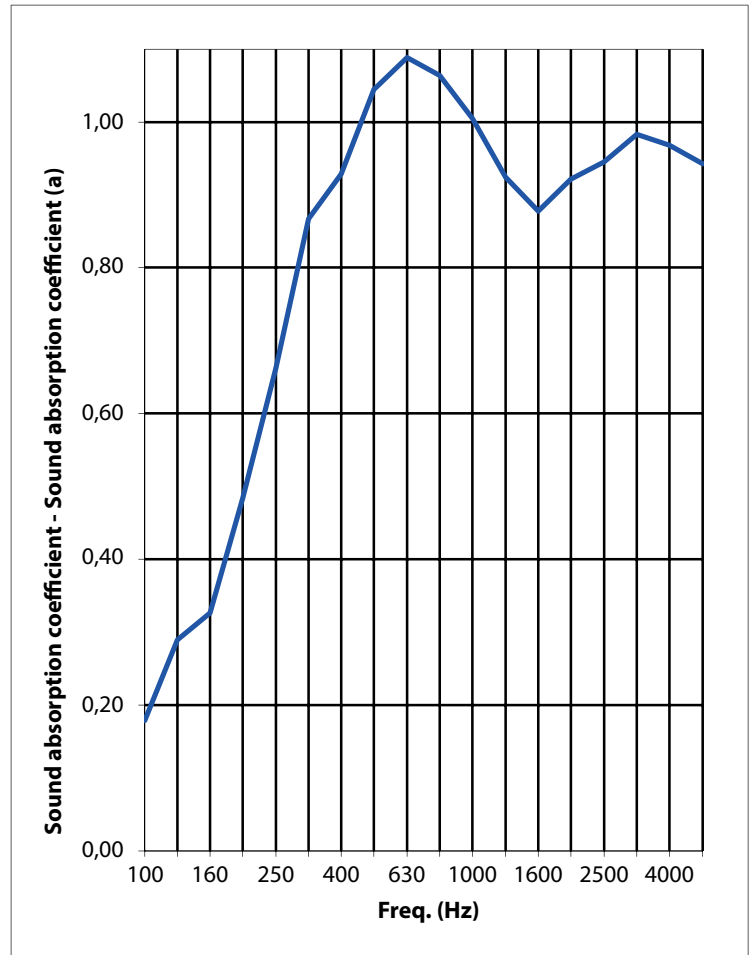
Sample surface **S= 11,5m²**

Temperature (°C) **T= 19**

Relative humidity (%) **Ur= 48**

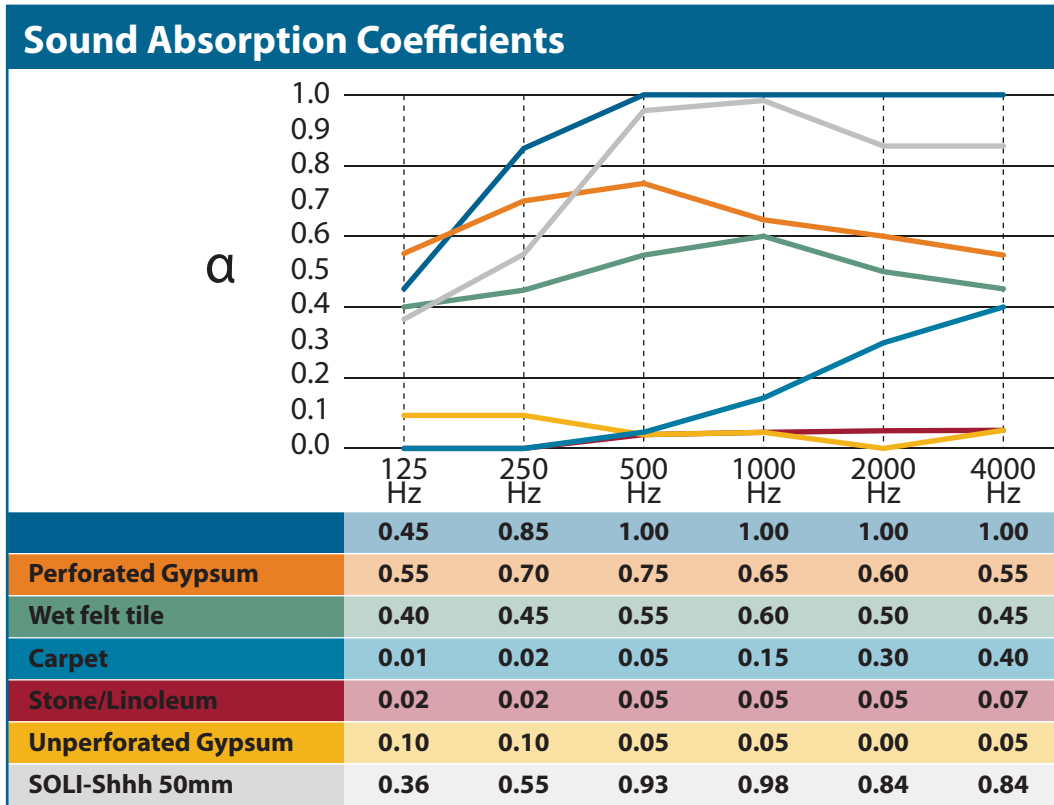
Atm pressure (Pa) **p= 101325**

FREQ (Hz)	T1 (sec)	T2 (sec)	αS	αP
100	7,16	4,84	0,18	
125	6,08	3,67	0,29	0,25
160	6,50	3,63	0,33	
200	7,22	3,13	0,48	
250	7,21	2,59	0,66	0,65
315	7,34	2,17	0,87	
400	7,95	2,12	0,93	
500	7,84	1,93	1,04	1,00
630	7,30	1,84	1,09	
800	6,70	1,83	1,06	
1000	6,35	1,88	1,00	1,00
1250	5,37	1,94	0,92	
1600	5,28	1,93	0,88	
2000	4,77	1,81	0,92	0,90
2500	4,07	1,67	0,95	
3150	3,20	1,47	0,98	
4000	2,64	1,35	0,97	0,95
5000	2,01	1,18	0,94	

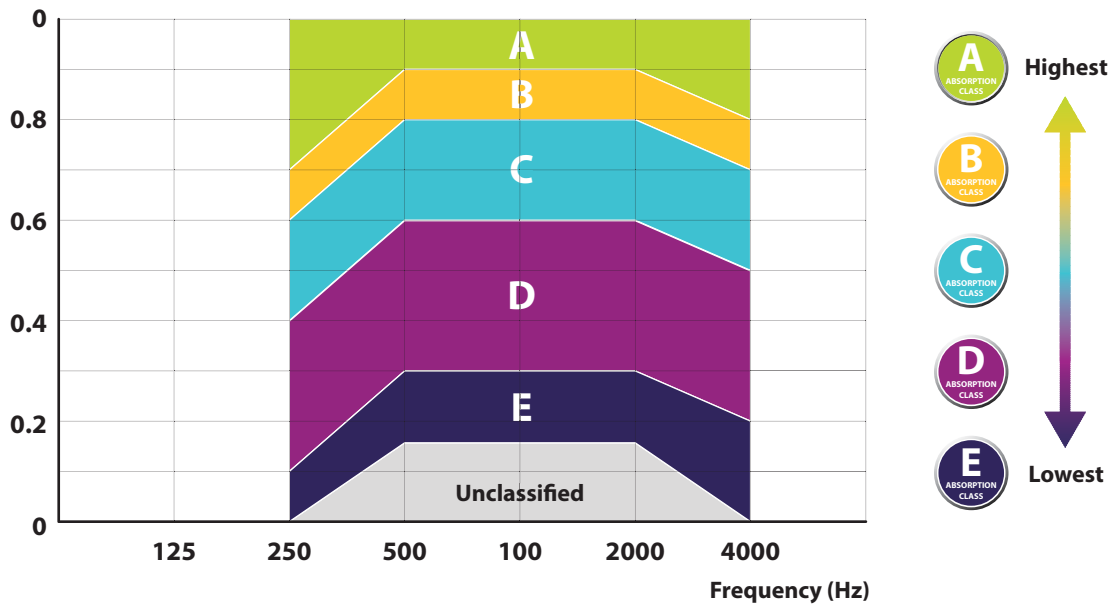


Fire classification according to: **EN13501-1**

Euroclass B-s1,d0



Sound absorption table

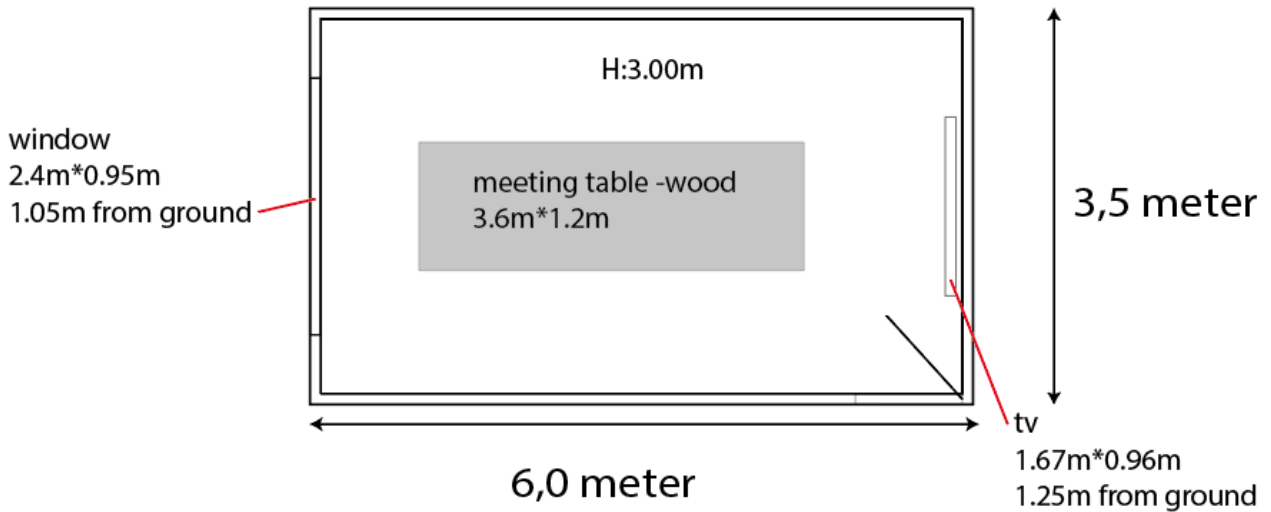




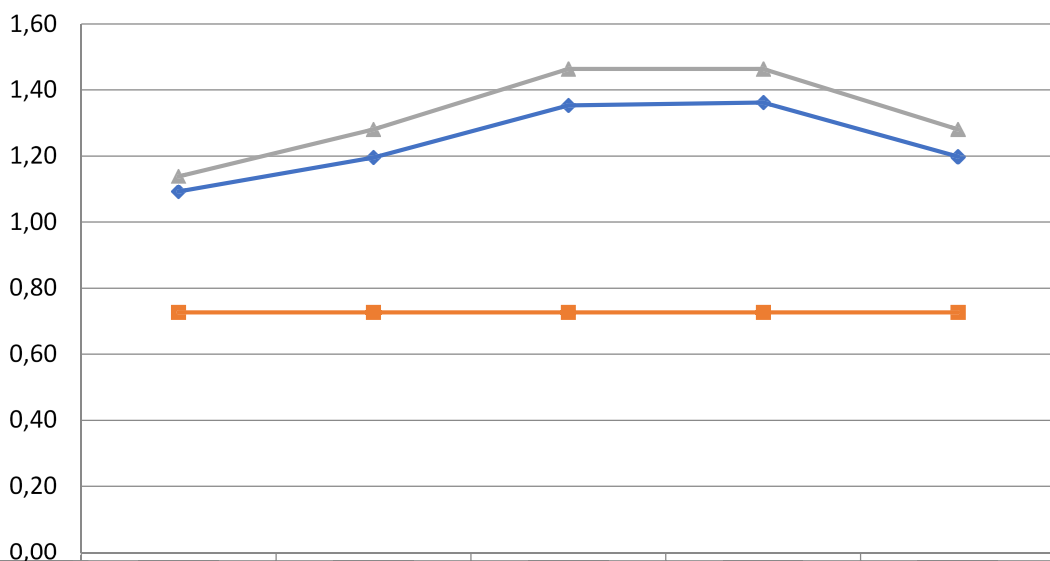
SIMULATION - DELTA LIGHT : SOLI-SHHH

Floor surface = 21,00 sqm

Volume = 21,00 x 3,00 = 63,00 m³



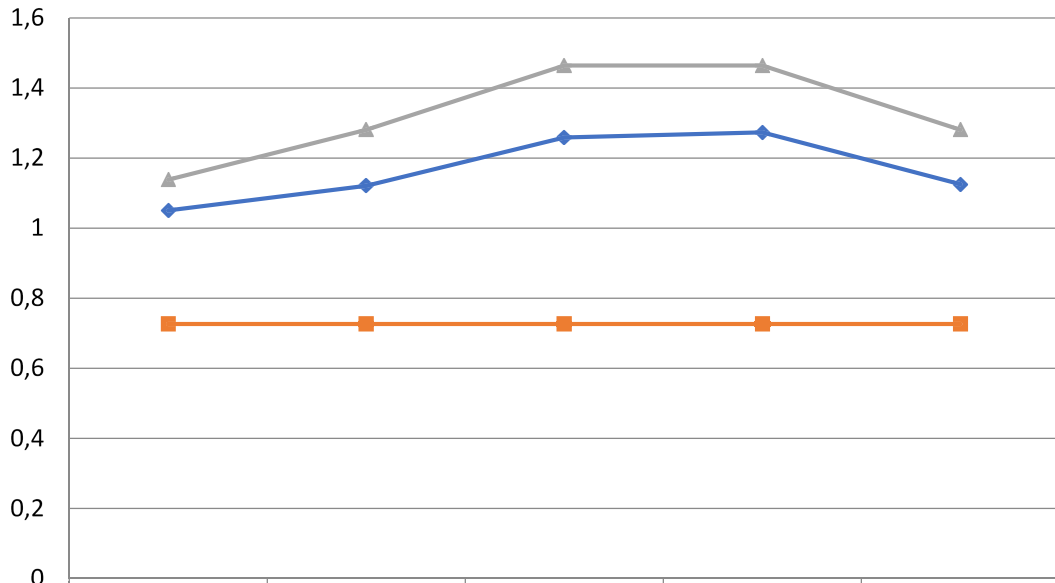
3x acoustic panel - SOLI - SHHH 55mm at 50cm from ceiling - 7,5% coverage



—◆— post operam	1,09	1,20	1,35	1,36	1,20
—▲— ante operam	1,14	1,28	1,46	1,46	1,28
—■— UNI 11367	0,73	0,73	0,73	0,73	0,73

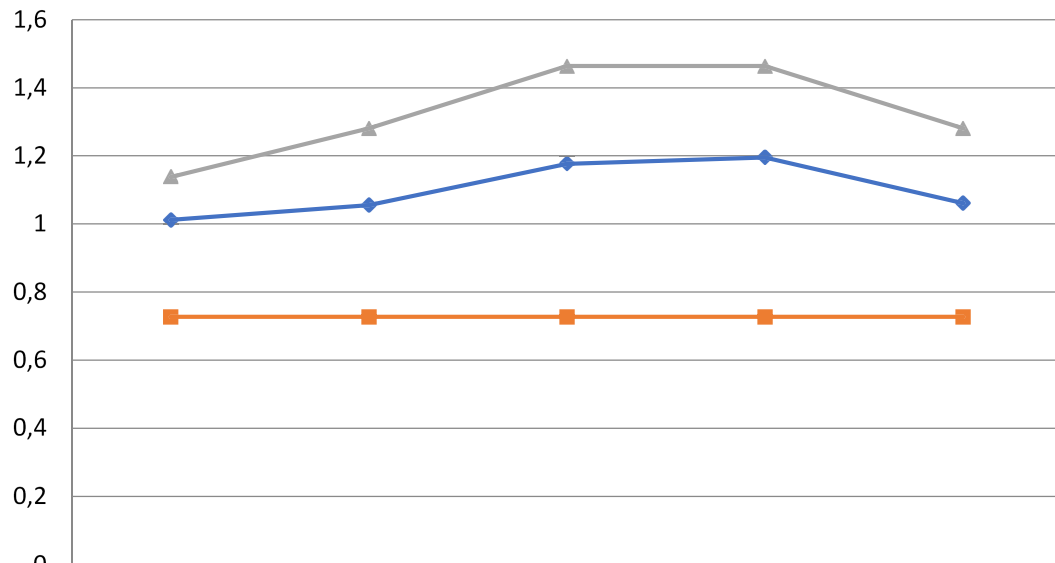


6x acoustic panel - SOLI - SHHH 55mm at 50cm from ceiling - 15% coverage



◆ post operam	1,050663164	1,121129594	1,258885711	1,273133784	1,125335552
▲ ante operam	1,14	1,28	1,46	1,46	1,28
■ UNI 11367	0,73	0,73	0,73	0,73	0,73

9x acoustic panel - SOLI - SHHH 55mm at 50cm from ceiling - 22% coverage



◆ post operam	1,011684379	1,055387495	1,176588218	1,195342652	1,06098688
▲ ante operam	1,14	1,28	1,46	1,46	1,28
■ UNI 11367	0,73	0,73	0,73	0,73	0,73