



Sound Research Laboratories



Test Certificate Number

18294



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0444

Page: 1 of 1

Confidential

Date: 18 September 2024

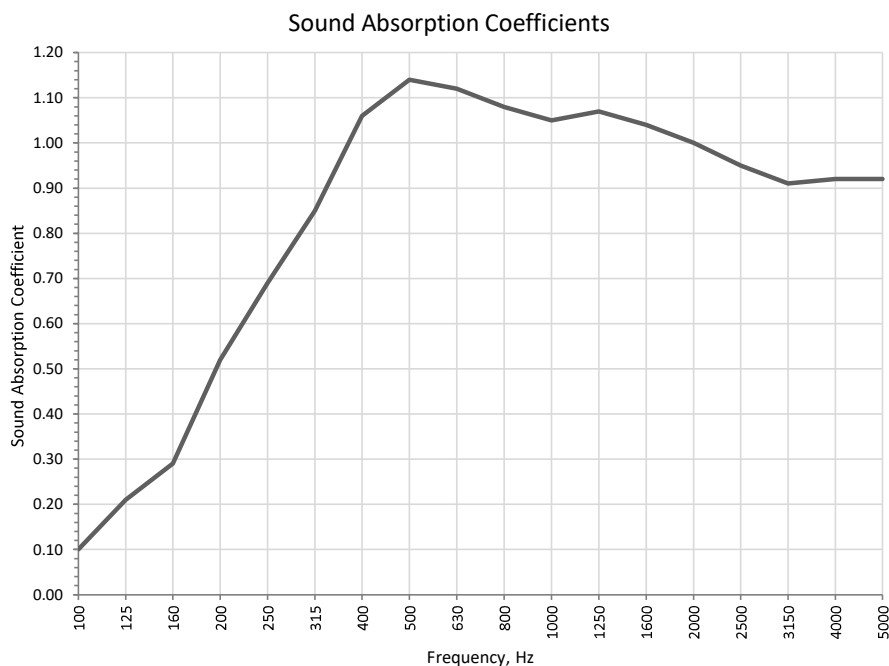
See SRL Report 82171-SRL-RP-XT-001-PI for full details

Laboratory Measurement of Random Incidence Sound Absorption to BS EN ISO 354:2003

Test Number: 20
Client: Ecophon
Test Date: 10/09/2024
Chamber Volume: 300.1 m³
Mounting Method: E-50
Sample Gedina A T24 NE 600x600x40mm
Description:

Test Room:	Empty	With Sample
Air Temperature:	19.3 °C	19.6 °C
Air Humidity:	64 % RH	66 % RH
Air Pressure:	1000 mbar	999 mbar
Sample Area:	10.44 m ²	

Frequency Hz	T1, empty room reverberation time sec	T2, room reverberation time with sample sec	Sound Absorption Coefficient α_s	Practical Sound Absorption Coefficient α_p
50*	4.27	4.10	0.05	n/a
63*	4.79	4.60	0.04	
80*	6.95	5.99	0.11	
100	7.17	6.19	0.10	0.20
125	6.27	4.90	0.21	
160	6.00	4.37	0.29	
200	6.23	3.68	0.52	0.70
250	6.32	3.27	0.69	
315	6.64	3.00	0.85	
400	6.58	2.63	1.06	1.00
500	5.83	2.40	1.14	
630	5.13	2.28	1.12	
800	5.12	2.33	1.08	1.00
1000	5.67	2.48	1.05	
1250	5.57	2.44	1.07	
1600	5.27	2.41	1.04	1.00
2000	4.87	2.38	1.00	
2500	4.37	2.31	0.95	
3150	3.68	2.14	0.91	0.90
4000	3.04	1.91	0.92	
5000	2.47	1.68	0.92	
6300*	1.82	1.41	0.79	n/a
8000*	1.39	1.17	0.73	
10000*	1.00	0.92	0.55	



α_w 1.00

Class A

Calculated to BS EN ISO 11654:1997

NRC 0.95

Calculated to ASTM C 423-01

* Denotes frequencies outside the range covered by BS EN ISO 354:2003 and not
UKAS accredited

Version 3

Kieron Farrow

Kieron Farrow
Tester

Allen Smalls

Allen Smalls
Quality Manager

This certificate shall not be reproduced, except in full, without written approval of the laboratory. Results relate to the items as received and tested.