



Sound Research Laboratories



Test Certificate Number

18300



INVESTORS
IN PEOPLE

Holbrook House, Little Waldingfield,

Sudbury, Suffolk CO10 0TF

Tel: +44 (0) 1787 247595

e-mail: srl@srltsl.com

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: 26

Client: Ecophon

Test Date: 10/09/2024

Chamber Volume: 300.1 m³

Mounting Method: E-50

Sample: Gedina A T24 NE 600x600x15mm

Description:

Test Room: Empty

Air Temperature:

19.3 °C

With Sample

19.5 °C

Air Humidity:

64 % RH

67 % RH

Air Pressure:

1000 mbar

997 mbar

Sample Area:

10.55 m²

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	4.17	0.03	n/a
63*	4.79	4.53	0.05	
80*	6.95	6.28	0.07	
100	7.17	6.94	0.02	0.05
125	6.27	5.77	0.06	
160	6.00	5.18	0.12	
200	6.23	4.57	0.27	0.40
250	6.32	4.12	0.39	
315	6.64	3.80	0.52	
400	6.58	3.27	0.71	0.85
500	5.83	2.77	0.87	
630	5.13	2.49	0.95	
800	5.12	2.42	1.00	1.00
1000	5.67	2.52	1.01	
1250	5.57	2.47	1.04	
1600	5.27	2.39	1.05	1.00
2000	4.87	2.36	1.00	
2500	4.37	2.27	0.98	
3150	3.68	2.17	0.88	0.90
4000	3.04	1.92	0.90	
5000	2.47	1.71	0.86	
6300*	1.82	1.43	0.74	n/a
8000*	1.39	1.19	0.66	
10000*	1.00	0.92	0.6	

α_w 0.70(MH)

Class C

Calculated to BS EN ISO 11654:1997

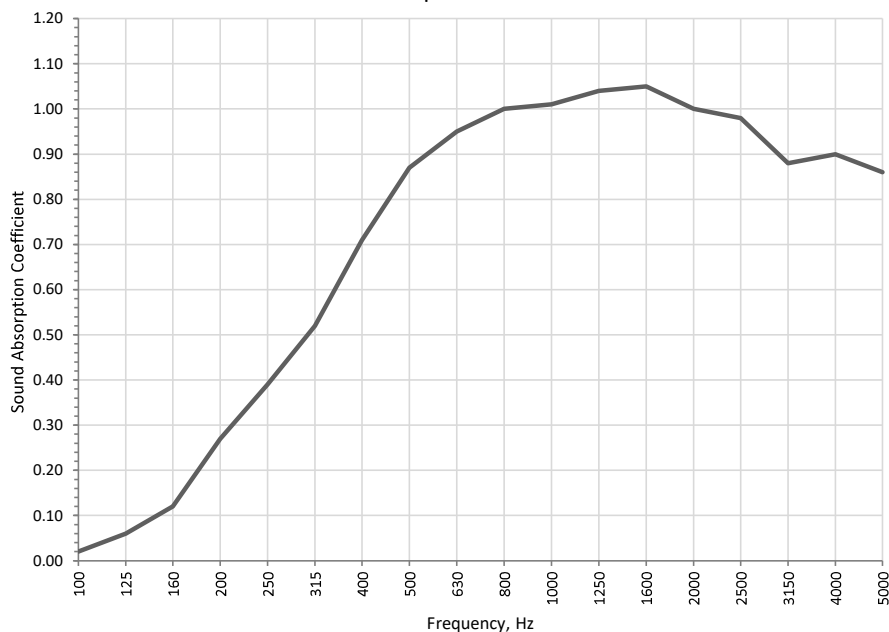
NRC 0.80

Calculated to ASTM C 423-01

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

Version 3

Sound Absorption Coefficients



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.