



Sound Research Laboratories



Test Certificate Number

18695



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Confidential

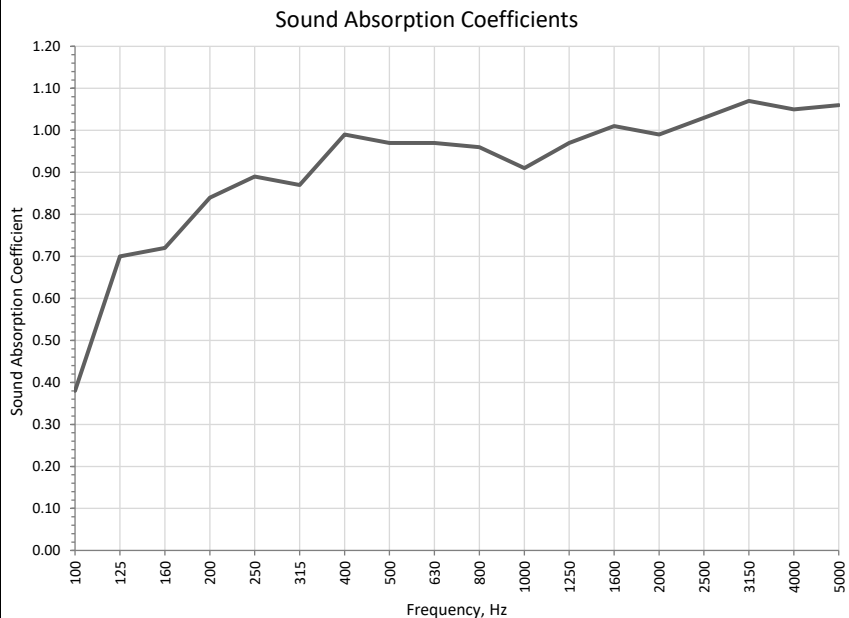
Date: 04 February 2025

See SRL Report 82393-SRL-RP-XT-001-PI for full details

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

Test Number:	3	Test Room:	Empty	With Sample
Client:	Saint-Gobain Ecophon AB	Air Temperature:	15 °C	15.5 °C
Test Date:	28/01/2025	Air Humidity:	55 % RH	59 % RH
Chamber Volume:	300.1 m ³	Air Pressure:	972 mbar	972 mbar
Mounting Method:	E-200	Sample Area:	10.95 m ²	
Sample Description:	Eurocoustic Acoustichoc 40 - 1200x600x40mm			

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*	4.34	3.87	0.12	n/a
63*	5.21	3.66	0.36	
80*	6.77	4.43	0.35	
100	6.96	4.38	0.38	0.60
125	6.44	3.19	0.70	
160	6.46	3.15	0.72	
200	6.42	2.91	0.84	0.85
250	6.50	2.83	0.89	
315	6.65	2.89	0.87	
400	6.77	2.70	0.99	1.00
500	5.83	2.56	0.97	
630	5.21	2.43	0.97	
800	5.18	2.44	0.96	0.95
1000	5.64	2.62	0.91	
1250	5.55	2.51	0.97	
1600	5.00	2.35	1.01	1.00
2000	4.52	2.27	0.99	
2500	3.95	2.09	1.03	
3150	3.20	1.84	1.07	1.00
4000	2.58	1.64	1.05	
5000	1.99	1.39	1.06	
6300*	1.41	1.09	1.07	n/a
8000*	1.07	0.90	1.02	
10000*	0.76	0.69	0.95	



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 4

Richard Calvert
Tester

Allen Smalls
Quality Manager