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Confidential

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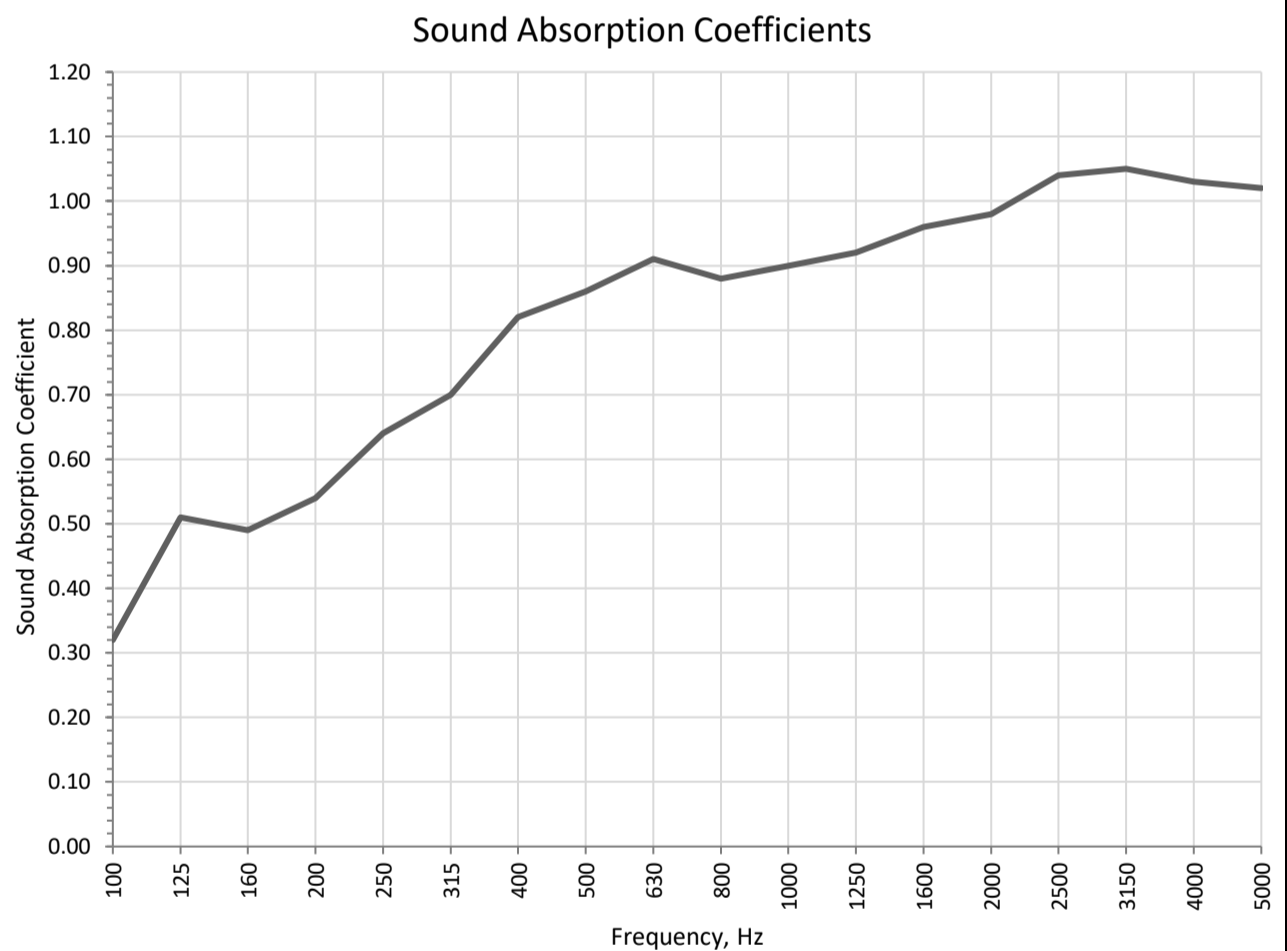
See SRL Report 81973-SRL-RP-XT-001-P3 for full details

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

Test Number: 9
Client: Saint-Gobain Ecophon AB
Test Date: 14/05/2024
Chamber Volume: 300.1 m³
Mounting Method: E-200
Sample Description: Tonga dB 41 E 1200x600x40mm

Test Room:	Empty	With Sample
Air Temperature:	17.5 °C	17.7 °C
Air Humidity:	71 % RH	75 % RH
Air Pressure:	993 mbar	995 mbar
Sample Area:	10.8 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*	4.11	3.54	0.18	n/a
63*	4.38	3.52	0.25	
80*	6.19	4.99	0.18	
100	6.39	4.41	0.32	0.45
125	6.16	3.64	0.51	
160	6.19	3.70	0.49	
200	6.29	3.58	0.54	0.65
250	6.36	3.34	0.64	
315	6.60	3.26	0.70	
400	6.55	2.99	0.82	0.85
500	5.78	2.74	0.86	
630	5.07	2.50	0.91	
800	5.01	2.52	0.88	0.90
1000	5.59	2.64	0.90	
1250	5.57	2.60	0.92	
1600	5.24	2.47	0.96	1.00
2000	4.94	2.38	0.98	
2500	4.43	2.20	1.04	
3150	3.75	2.01	1.05	1.00
4000	3.11	1.84	1.03	
5000	2.53	1.63	1.02	
6300*	1.98	1.38	1.06	n/a
8000*	1.47	1.12	1.06	
10000*	1.05	0.89	0.94	



α_w 0.90

Class A

Calculated to BS EN ISO 11654:1997

NRC 0.85

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
Tester

Allen Smalls
Quality Manager