



Sound Research Laboratories



Test Certificate Number

20184



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0444

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Confidential

Date: 04 March 2026

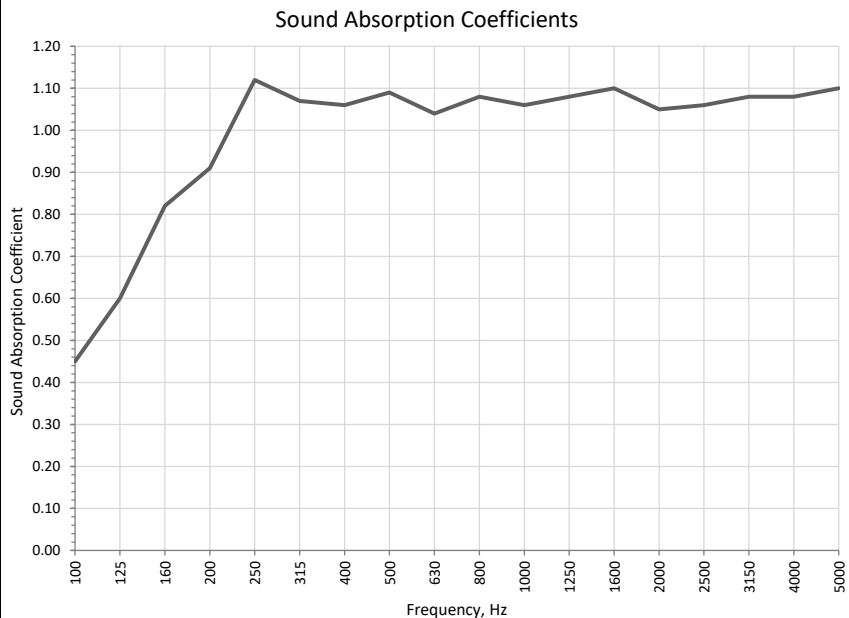
See SRL Report 83155-SRL-RP-XT-001-P1 for full details

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

Test Number: 4
Client: Siderise (Special Products) Ltd
Test Date: 11/12/2025
Chamber Volume: 300.1 m³
Mounting Method: A
Sample Description: ALS-100 (100mm Thick)

Test Room: Empty
Air Temperature: 15.4 °C
Air Humidity: 59 % RH
Air Pressure: 1012 mbar
Sample Area: 11 m²
With Sample: 15.5 °C
60 % RH
1011 mbar

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*	4.95	4.14	0.17	n/a
63*	5.59	4.76	0.14	
80*	7.16	4.80	0.30	
100	7.29	4.20	0.45	0.60
125	6.90	3.58	0.60	
160	6.76	3.00	0.82	
200	6.23	2.73	0.91	1.00
250	6.79	2.50	1.12	
315	6.78	2.57	1.07	
400	6.31	2.51	1.06	1.00
500	5.48	2.33	1.09	
630	4.83	2.27	1.04	
800	5.10	2.27	1.08	1.00
1000	5.50	2.37	1.06	
1250	5.48	2.35	1.08	
1600	5.05	2.25	1.10	1.00
2000	4.57	2.20	1.05	
2500	4.12	2.08	1.06	
3150	3.41	1.87	1.08	1.00
4000	2.75	1.66	1.08	
5000	2.12	1.40	1.10	
6300*	1.56	1.15	1.07	n/a
8000*	1.36	1.04	1.07	
10000*	0.94	0.77	1.09	



α_w 1.00

Class A

Calculated to BS EN ISO 11654:1997

NRC 1.10

Calculated to ASTM C 423-01

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

Version 4

Kieron Farrow

Kieron Farrow
Tester

Allen Smalls

Allen Smalls
Quality Manager