

See SRL report C/23821/T01a for full details

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

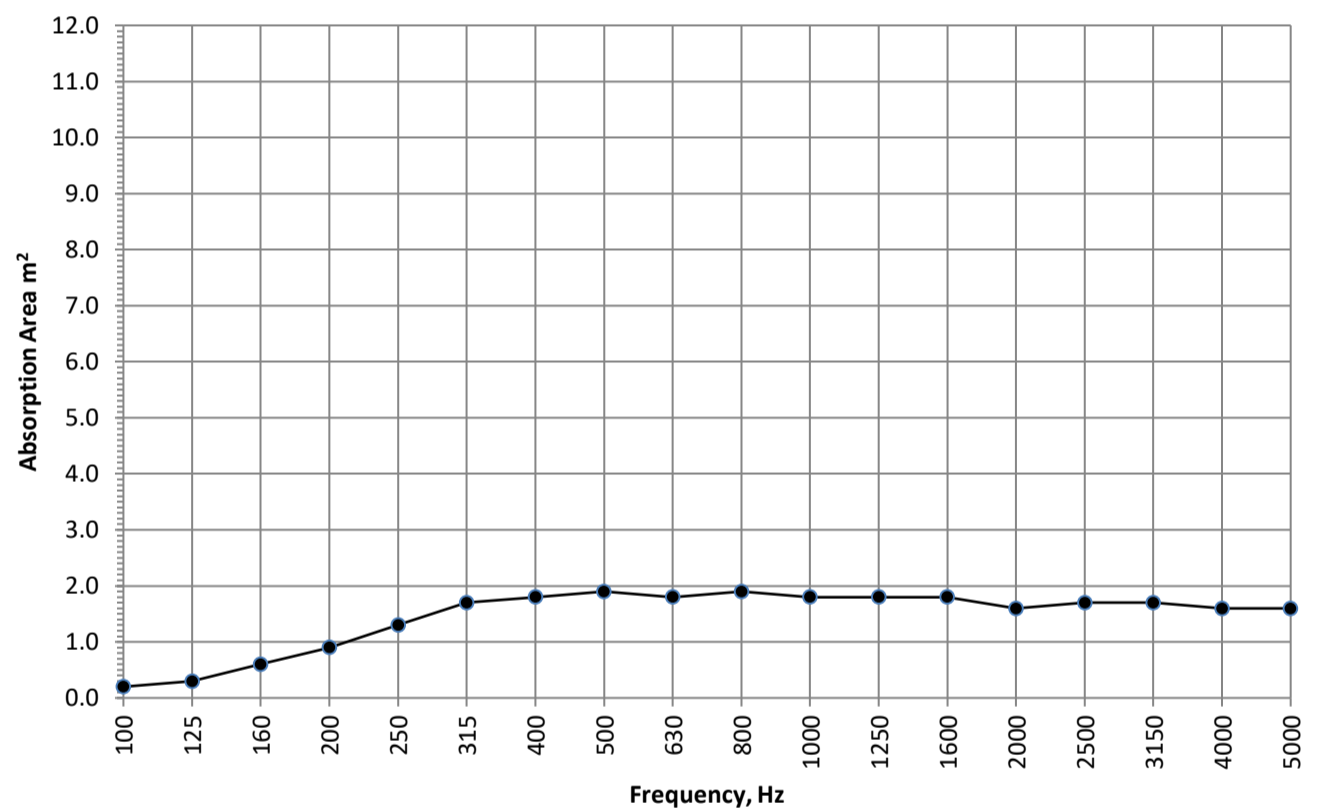
Client: Rockfon
 Test Date: 25/07/2017
 Empty Room: Temperature: 18.6 °C Humidity: 69 %RH Pressure: 1009 mbar
 Room with Sample: Temperature: 18.6 °C Humidity: 70 %RH Pressure: 1009 mbar
 Sample Description: Eclipse Square 1160x1160x40mm, 15mm Cavity/ Direct Fixing
 Sample tested as: Discrete Object
 Number of Objects: 3
 Chamber Volume: 300 m³

Test 2

Freq Hz	T1 sec	T2 sec	Equivalent Absorp Area per Object m ²
50*	4.67	4.66	0.0
63*	5.09	4.72	0.2
80*	6.05	5.89	0.1
100	7.93	7.25	0.2
125	6.84	6.06	0.3
160	6.74	5.34	0.6
200	7.23	5.14	0.9
250	7.45	4.65	1.3
315	7.64	4.24	1.7
400	7.00	3.96	1.8
500	6.10	3.53	1.9
630	5.67	3.44	1.8
800	5.85	3.47	1.9
1000	6.17	3.68	1.8
1250	5.83	3.55	1.8
1600	5.47	3.39	1.8
2000	5.04	3.33	1.6
2500	4.56	3.08	1.7
3150	3.86	2.77	1.7
4000	3.25	2.45	1.6
5000	2.66	2.12	1.6
6300*	1.96	1.65	1.6
8000*	1.58	1.37	1.7
10000*	1.12	1.00	1.9

* Denotes frequencies outside the range covered by BS EN ISO 354:2003
 T1, empty room reverberation time
 T2, room reverberation time with sample

Equivalent Absorption Area per Object



James Carpenter
Tester

Allen Smalls
Quality Manager