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See SRL report C/22404/T01a for full details

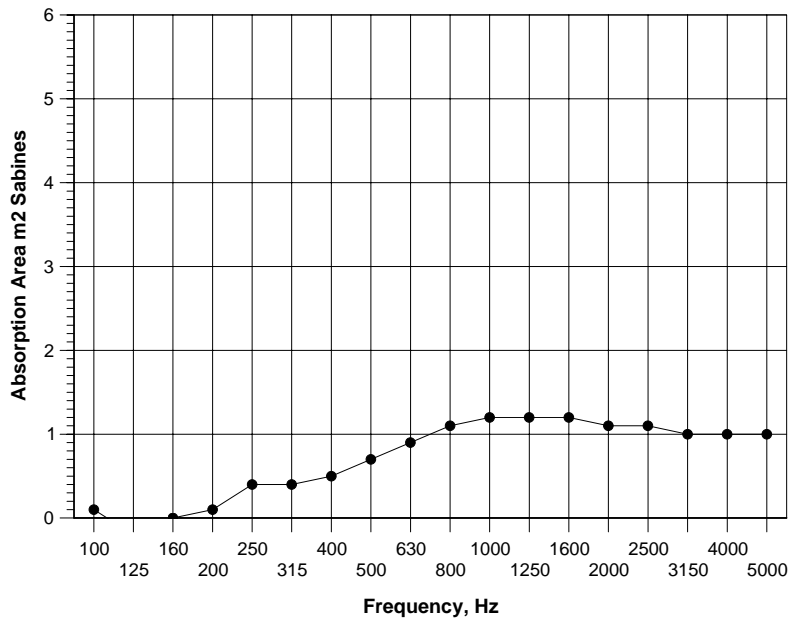
The Laboratory Measurement of Random Incidence Sound Absorption to BS EN ISO 354:2003

Client: Armstong
Test Date: 28/01/2013
Empty Room: Temperature: 17.1 °C Humidity: 39 %RH Pressure: 1003 mbar
Room with Sample: Temperature: 17.6 °C Humidity: 38 %RH Pressure: 1003 mbar
Sample Description: Armstrong Optima Baffle 1200mm long x 400mm high x 40mm thick
 1000mm from room surface
Sample tested as: Discrete object
Number of Objects: 3
Chamber Volume: 300 m3

Test 59

Freq Hz	T1 sec	T2 sec	Equivalent Absorp Area per Object m2
50*	5.33	4.23	0.8
63*	5.50	5.51	-0.0
80*	7.88	7.94	-0.0
100	7.71	7.49	0.1
125	7.65	8.25	-0.2
160	6.56	6.60	-0.0
200	6.92	6.62	0.1
250	7.61	6.43	0.4
315	7.48	6.32	0.4
400	6.72	5.48	0.5
500	5.78	4.57	0.7
630	5.31	4.07	0.9
800	5.65	4.06	1.1
1000	6.19	4.27	1.2
1250	6.03	4.12	1.2
1600	5.34	3.82	1.2
2000	4.73	3.54	1.1
2500	4.03	3.17	1.1
3150	3.21	2.68	1.0
4000	2.52	2.19	1.0
5000	1.94	1.73	1.0
6300*	1.34	1.25	0.8
8000*	1.04	1.01	0.4
10000*	0.73	0.75	-0.7

Equivalent Absorption Area per Object



* Denotes frequencies outside the range covered by BS EN ISO 354:2003

T1, empty room reverberation time

T2, room reverberation time with sample

v4.2