



INVESTOR IN PEOPLE

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Contract: C/09/5L/20816

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Not UKAS accredited

See SRL report C/09/5L/20816/R08 for full details

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

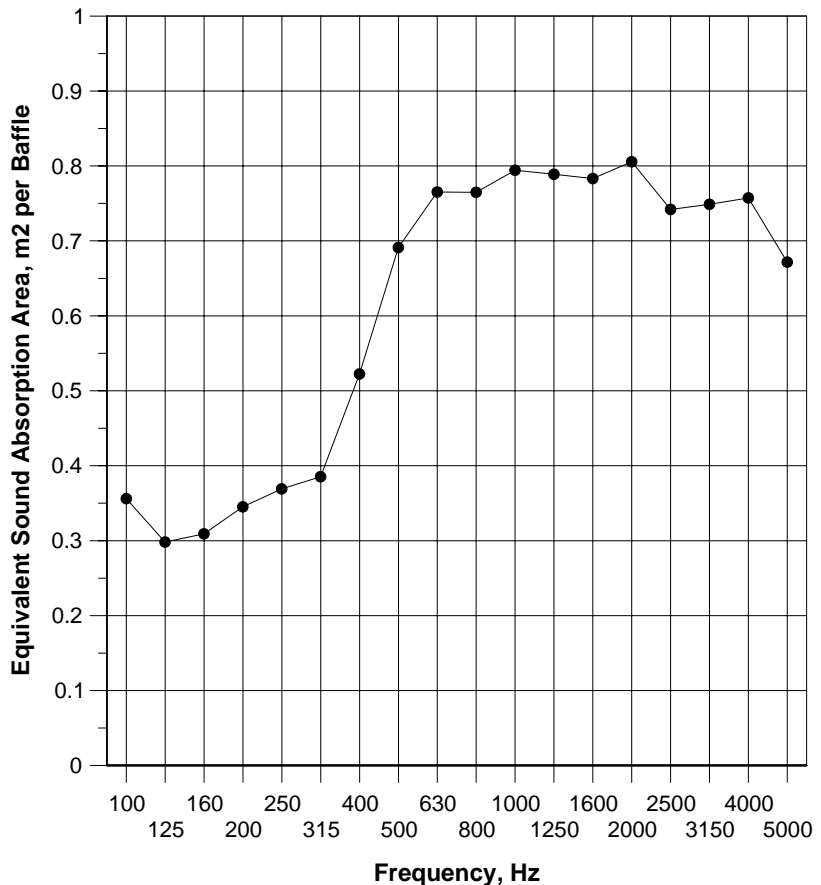
**Client:** Rockfon  
**Test Date:** 18/06/2009  
**Empty Room:** Temperature: 18.7 °C Humidity: 51 %RH Pressure: 1015 mbar  
**Room with Sample:** Temperature: 18.7 °C Humidity: 50 %RH Pressure: 1015 mbar  
**Sample:** Contour 1200x600x50mm - Double B edge  
**Description:** 3 x 4.8m rows, 0.83m centres  
**Mounting Method:** J - results presented as equivalent sound absorption area of the total array, and per 1200mm long baffle in that array

Chamber Volume: 300 m3

**Equivalent Sound Absorption Area, m2 per Baffle**

Test 21				
Freq Hz	T1 sec	T2 sec	Equivalent Sound Absorption Area, m2	
			Array	/ baffle
50*	4.39	3.84	1.6	0.13
63*	4.32	3.89	1.2	0.10
80*	4.37	3.29	3.6	0.30
100	5.76	3.82	4.3	0.36
125	6.30	4.30	3.6	0.30
160	6.75	4.45	3.7	0.31
200	7.13	4.43	4.1	0.35
250	7.76	4.54	4.4	0.37
315	7.29	4.30	4.6	0.39
400	6.36	3.49	6.3	0.52
500	5.41	2.81	8.3	0.69
630	5.16	2.61	9.2	0.77
800	5.48	2.69	9.2	0.76
1000	5.94	2.74	9.5	0.79
1250	5.76	2.71	9.5	0.79
1600	5.25	2.60	9.4	0.78
2000	4.69	2.42	9.7	0.81
2500	4.06	2.32	8.9	0.74
3150	3.38	2.07	9.0	0.75
4000	2.74	1.80	9.1	0.76
5000	2.11	1.55	8.1	0.67
6300*	1.57	1.24	7.8	0.65
8000*	1.19	0.99	7.7	0.64
10000*	0.87	0.77	6.4	0.54

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



v3