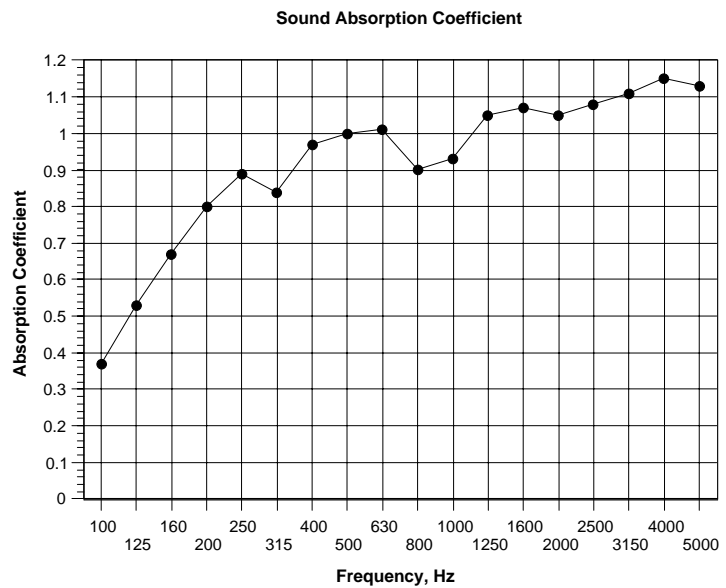


[See SRL report C/21600/R03 for full details](#)

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

Client: Rockfon
Test Date: 12/10/2011
Empty Room: Temperature: 17.5 °C Humidity: 75 %RH Pressure: 1015 mbar
Room with Sample: Temperature: 17.8 °C Humidity: 73 %RH Pressure: 1015 mbar
Sample Description: Rockfon Color-all 1200x600x25mm
Mounting Method: E-210
Sample Area: 12.74 m²
Chamber Volume: 300 m³

Test 10				
Freq Hz	T1 sec	T2 sec	Absorp Coeff	Practical Absorp Coeff #
50*	5.99	4.33	0.24	
63*	5.01	3.48	0.33	n/a
80*	6.11	3.88	0.36	
100	8.36	4.60	0.37	
125	8.72	3.95	0.53	0.50
160	7.99	3.31	0.67	
200	8.24	3.02	0.80	
250	7.78	2.76	0.89	0.85
315	7.47	2.83	0.84	
400	6.91	2.50	0.97	
500	5.64	2.27	1.00	1.00
630	5.27	2.20	1.01	
800	5.69	2.42	0.90	
1000	6.36	2.49	0.93	0.95
1250	6.39	2.32	1.05	
1600	5.68	2.19	1.07	
2000	5.24	2.14	1.05	1.00
2500	4.75	2.02	1.08	
3150	4.09	1.86	1.11	
4000	3.43	1.68	1.15	1.00
5000	2.75	1.51	1.13	
6300*	2.09	1.27	1.16	
8000*	1.66	1.09	1.18	n/a
10000*	1.21	0.87	1.20	



α_w 1.00
Class A
 Calculated to EN ISO 11654:1997
NRC 0.95
 Calculated to ASTM C 423-01
 * Denotes frequencies outside the range covered by BS EN ISO 354:2003
 T1, empty room reverberation time
 T2, room reverberation time with sample

Practical absorption coefficient, BS EN ISO 11654:1997

v4.0

Quality Manager

Deputy Technical Manager