

[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 1200x600x40mm

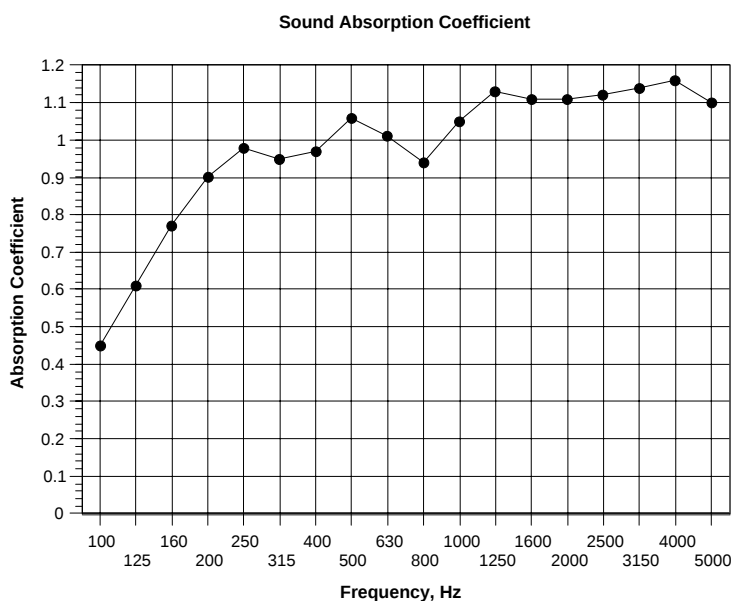
Mounting Method: E-225

Sample Area: 12.74 m²

Chamber Volume: 300 m³

Test 11

Freq Hz	T1 sec	T2 sec	Absorp Coeff	Practical Absorp Coeff #
50*	5.99	4.09	0.30	
63*	5.01	3.38	0.37	n/a
80*	6.11	3.62	0.43	
100	8.36	4.19	0.45	
125	8.72	3.64	0.61	0.60
160	7.99	3.06	0.77	
200	8.24	2.79	0.90	
250	7.78	2.60	0.98	0.95
315	7.47	2.61	0.95	
400	6.91	2.50	0.97	
500	5.64	2.20	1.06	1.00
630	5.27	2.20	1.01	
800	5.69	2.37	0.94	
1000	6.36	2.31	1.05	1.00
1250	6.39	2.21	1.13	
1600	5.68	2.14	1.11	
2000	5.24	2.07	1.11	1.00
2500	4.75	1.98	1.12	
3150	4.09	1.84	1.14	
4000	3.43	1.67	1.16	1.00
5000	2.75	1.53	1.10	
6300*	2.09	1.29	1.12	
8000*	1.66	1.08	1.21	n/a
10000*	1.21	0.88	1.15	



α_w 1.00

Class A

Calculated to EN ISO 11654:1997

NRC 1.05

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