



Holbrook House, Little Waldingfield,  
Sudbury, Suffolk CO10 0TH  
Tel: (01787) 247595 Fax: 01787 248420  
e-mail: srl@srltts.com

Contract: C/21600

Page: 1 of 1

Date: 14 June 2011

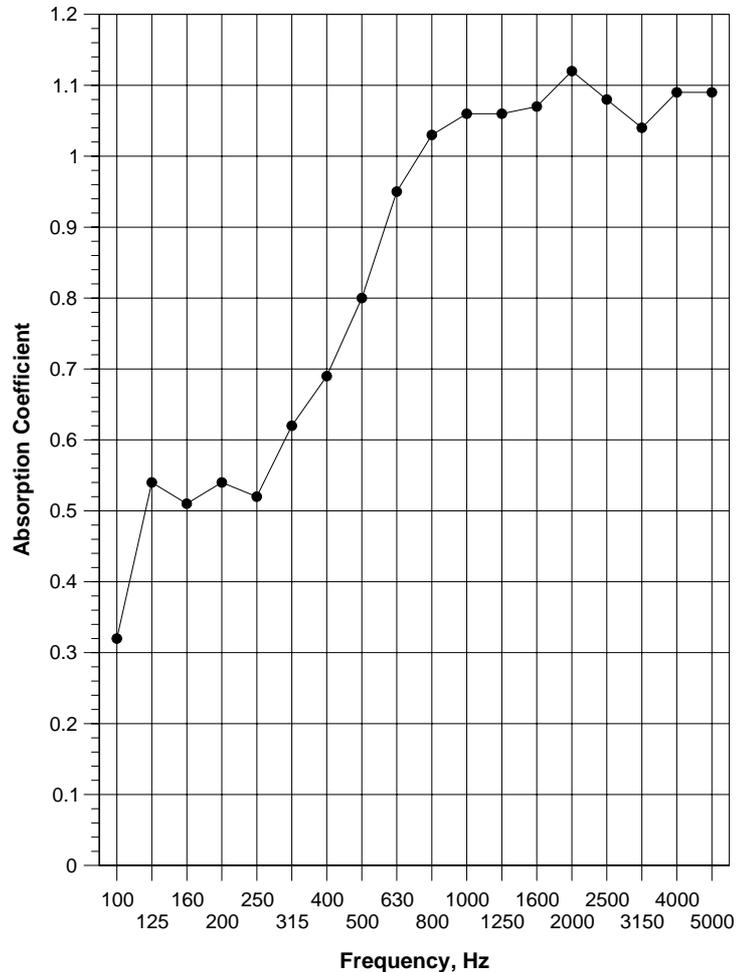
See SRL report C/21600/R01 for full details

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

**Client:** Rockfon  
**Test Date:** 02/06/2011  
**Empty Room:** Temperature: 17.5 °C Humidity: 55 %RH Pressure: 1031 mbar  
**Room with Sample:** Temperature: 18.0 °C Humidity: 63 %RH Pressure: 1031 mbar  
**Sample:** MediCare Air 600x600x25mm. Edge type A  
**Description:**  
**Mounting Method:** E- 200  
**Sample Area:** 12.96 m<sup>2</sup>  
**Chamber Volume:** 300 m<sup>3</sup>

**Sound Absorption Coefficient**

Test 2				
Freq Hz	T1 sec	T2 sec	Absorp Coeff	Practical Absorp Coeff #
50*	4.44	4.16	0.06	
63*	4.62	3.11	0.39	n/a
80*	5.24	3.31	0.42	
100	7.72	4.64	0.32	
125	7.48	3.59	0.54	0.45
160	7.16	3.64	0.51	
200	7.58	3.62	0.54	
250	7.93	3.77	0.52	0.55
315	8.07	3.47	0.62	
400	7.11	3.08	0.69	
500	5.62	2.55	0.80	0.80
630	5.46	2.28	0.95	
800	5.84	2.24	1.03	
1000	6.45	2.28	1.06	1.00
1250	6.36	2.27	1.06	
1600	5.71	2.18	1.07	
2000	5.05	2.02	1.12	1.00
2500	4.51	1.99	1.08	
3150	3.82	1.90	1.04	
4000	3.10	1.69	1.09	1.00
5000	2.54	1.54	1.09	
6300*	1.76	1.26	1.05	
8000*	1.34	1.04	1.12	n/a
10000*	0.98	0.83	1.15	
$A_w$ 0.80(H)				
Class B				
Calculated to EN ISO 11654:1997				
NRC 0.90				
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

v3.1