



Holbrook House, Little Walsingham,  
Sudbury, Suffolk CO10 0TH  
Tel: (01787) 247595 Fax: 01787 248420  
e-mail: srl@soundresearch.co.uk

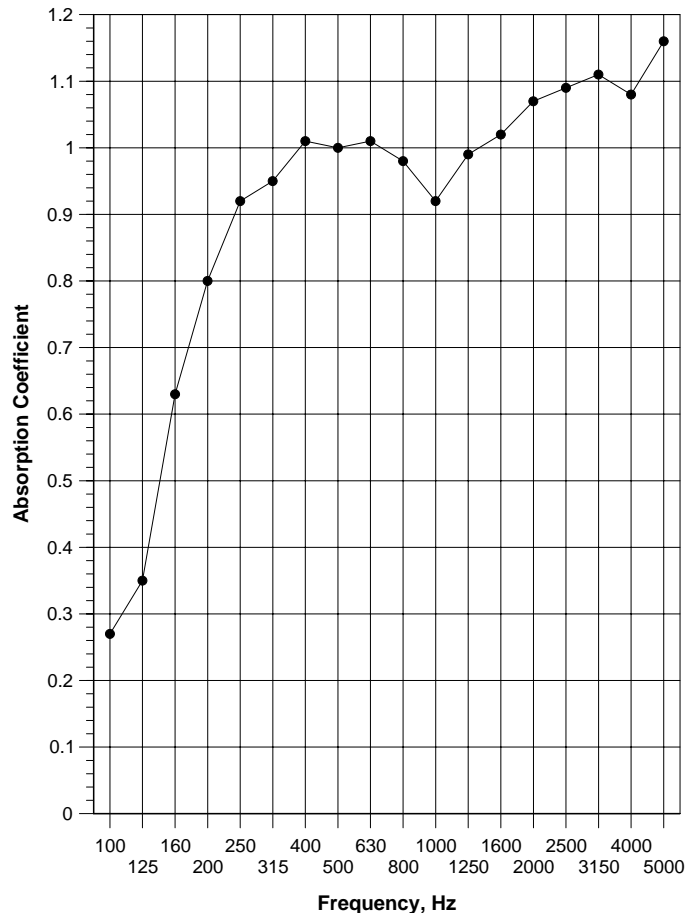
See SRL report C/08/5L/20495/R01 for full details

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

**Client:** Rockfon  
**Test Date:** 11/11/2008  
**Empty Room:** Temperature: 15.9 °C Humidity: 55 %RH Pressure: 999 mbar  
**Room with Sample:** Temperature: 16.0 °C Humidity: 53 %RH Pressure: 999 mbar  
**Sample Description:** Krios 1200x600x20mm  
**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*	3.49	3.19	0.10	
63*	4.16	2.78	0.45	n/a
80*	4.43	3.09	0.37	
100	6.33	4.35	0.27	
125	6.82	4.15	0.35	0.40
160	6.70	3.16	0.63	
200	6.68	2.76	0.80	
250	6.88	2.57	0.92	0.90
315	6.59	2.47	0.95	
400	5.90	2.28	1.01	
500	5.05	2.15	1.00	1.00
630	4.92	2.12	1.01	
800	5.35	2.23	0.98	
1000	5.74	2.39	0.92	0.95
1250	5.63	2.26	0.99	
1600	5.21	2.16	1.02	
2000	4.75	2.01	1.07	1.00
2500	4.14	1.87	1.09	
3150	3.42	1.69	1.11	
4000	2.70	1.51	1.08	1.00
5000	2.10	1.26	1.16	
6300*	1.58	1.06	1.12	
8000*	1.22	0.86	1.21	n/a
10000*	0.86	0.66	1.22	
$a_w$ 1.00				
Class A				
Calculated to EN ISO 11654:1997				
NRC 1.00				
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