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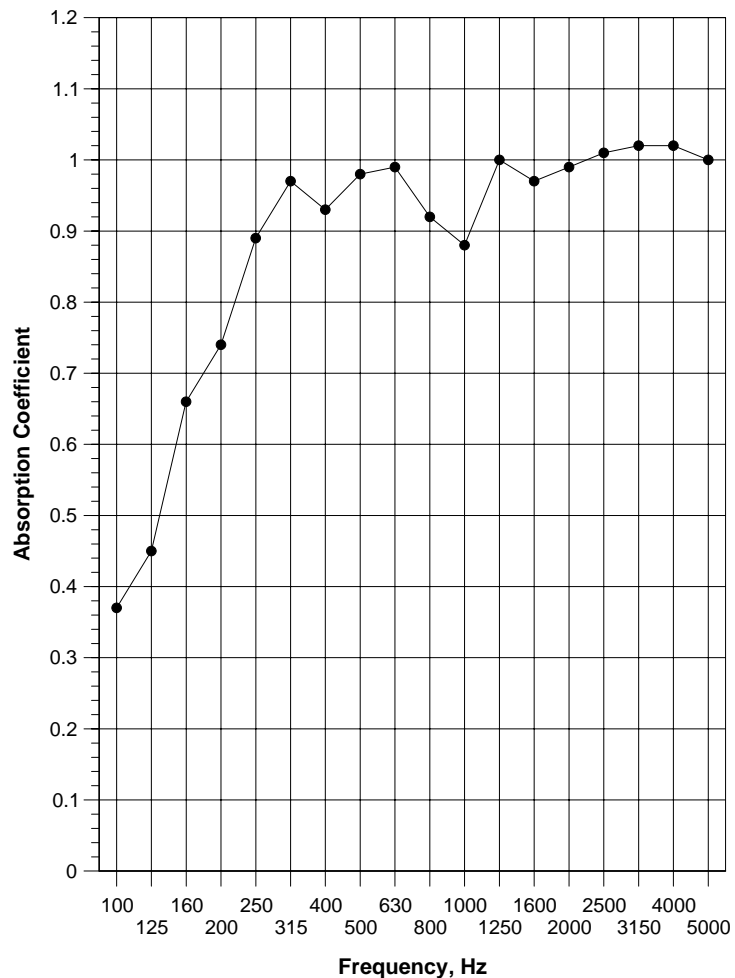
See SRL report C/09/5L/20816/R02 for full details

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

Client: Rockfon
Test Date: 18/06/2009
Empty Room: Temperature: 17.9 °C Humidity: 57 %RH Pressure: 1015 mbar
Room with Sample: Temperature: 18.4 °C Humidity: 50 %RH Pressure: 1015 mbar
Sample: Krios Shadowline 600x600x20mm, E edge
Description:
Mounting Method: E- 205
Sample Area: 12.96 m²
Chamber Volume: 300 m³

Sound Absorption Coefficient

Test 20b				
Freq Hz	T1 sec	T2 sec	Absorp Coeff	Practical Absorp Coeff #
50*	4.16	3.28	0.24	
63*	4.24	3.17	0.30	n/a
80*	4.20	3.03	0.34	
100	6.40	3.93	0.37	
125	7.50	3.94	0.45	0.50
160	7.40	3.21	0.66	
200	7.58	3.03	0.74	
250	8.21	2.78	0.89	0.85
315	7.77	2.58	0.97	
400	6.77	2.53	0.93	
500	5.70	2.29	0.98	0.95
630	5.48	2.24	0.99	
800	5.89	2.40	0.92	
1000	6.54	2.58	0.88	0.95
1250	6.38	2.35	1.00	
1600	5.82	2.31	0.97	
2000	5.21	2.18	0.99	1.00
2500	4.60	2.03	1.01	
3150	3.82	1.84	1.02	
4000	3.06	1.62	1.02	1.00
5000	2.43	1.42	1.00	
6300*	1.79	1.16	0.98	
8000*	1.35	0.95	0.93	n/a
10000*	0.98	0.75	0.83	
<i>A_w</i> 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

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