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See SRL report C/24355/T01 for full details

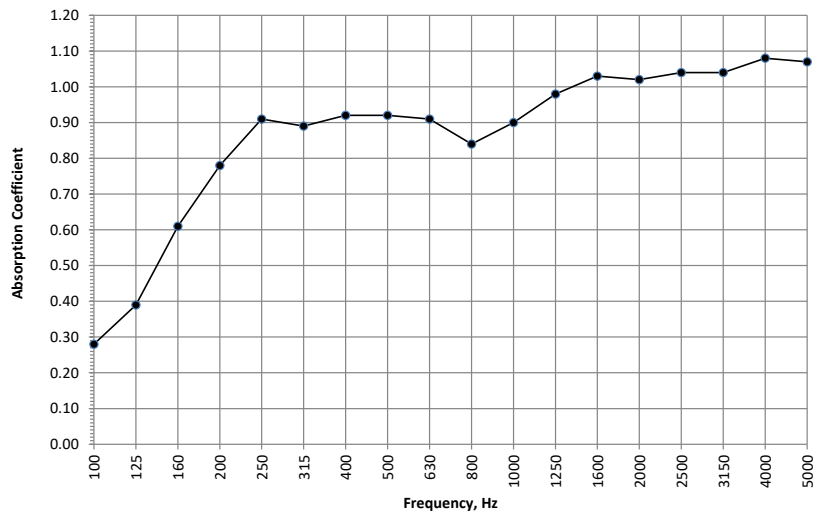
The Laboratory Measurement of Random Incidence Sound Absorption to BS EN ISO 354:2003

Client: Rockfon
 Test Date: 26/04/2019
 Empty Room: Temperature: 15.6 °C Humidity: 62 %RH Pressure: 1001 mbar
 Room with Sample: Temperature: 15.6 °C Humidity: 61 %RH Pressure: 1001 mbar
 Sample Description: COL CHARC X 600x600x22mm (WK15 B)
 Mounting Method: E - 200
 Sample Area: 10.8 m²
 Chamber Volume: 300 m³

Test 16

Freq Hz	T1 sec	T2 sec	Absorp Coeff α_s	Practical Absorp Coeff #
50*	5.39	4.29	0.21	
63*	5.57	4.14	0.28	n/a
80*	7.67	5.09	0.30	
100	8.90	5.70	0.28	
125	7.57	4.57	0.39	0.45
160	6.99	3.59	0.61	
200	7.17	3.20	0.78	
250	7.21	2.94	0.91	0.85
315	7.09	2.96	0.89	
400	6.62	2.82	0.92	
500	5.65	2.62	0.92	0.90
630	5.04	2.50	0.91	
800	5.14	2.62	0.84	
1000	5.79	2.69	0.90	0.90
1250	5.68	2.54	0.98	
1600	5.44	2.42	1.03	
2000	5.01	2.35	1.02	1.00
2500	4.35	2.17	1.04	
3150	3.55	1.95	1.04	
4000	2.94	1.72	1.08	1.00
5000	2.32	1.49	1.07	
6300*	1.60	1.14	1.11	
8000*	1.31	0.98	1.12	n/a
10000*	0.92	0.76	0.97	
α_w			0.95	
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				

Sound Absorption Coefficient



Practical absorption coefficient, BS EN ISO 11654:1997

v5

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Tester

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Approved Signatory