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Contract: C/24393

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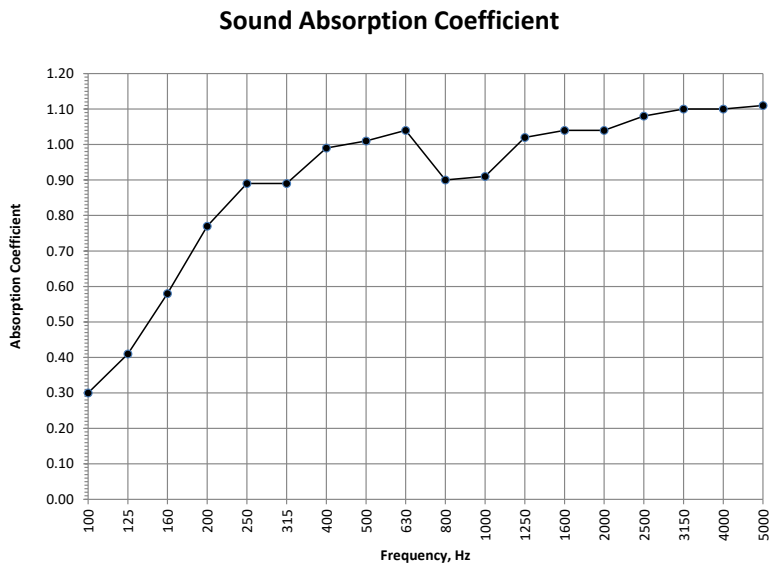
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See SRL report C/24393/T01 for full details

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

Client: Rockfon
Test Date: 14/05/2019
Empty Room: Temperature: 15.2 °C Humidity: 56 %RH Pressure: 1025 mbar
Room with Sample: Temperature: 15.4 °C Humidity: 56 %RH Pressure: 1025 mbar
Sample Description: Pallas 600x600x20mm
Mounting Method: E - 200
Sample Area: 10.58 m²
Chamber Volume: 300 m³

Test 2				
Freq Hz	T1 sec	T2 sec	Absorp Coeff α_s	Practical Absorp Coeff #
50*	4.58	3.91	0.17	
63*	4.79	3.83	0.24	n/a
80*	7.13	5.02	0.27	
100	8.16	5.30	0.30	
125	7.34	4.43	0.41	0.45
160	6.87	3.67	0.58	
200	6.71	3.16	0.77	
250	7.07	2.98	0.89	0.85
315	6.93	2.96	0.89	
400	6.48	2.71	0.99	
500	5.66	2.53	1.01	1.00
630	4.95	2.34	1.04	
800	4.98	2.53	0.90	
1000	5.68	2.68	0.91	0.95
1250	5.67	2.52	1.02	
1600	5.26	2.40	1.04	
2000	4.85	2.32	1.04	1.00
2500	4.25	2.13	1.08	
3150	3.47	1.90	1.10	
4000	2.76	1.67	1.10	1.00
5000	2.17	1.43	1.11	
6300*	1.47	1.09	1.11	
8000*	1.19	0.92	1.16	n/a
10000*	0.84	0.70	1.13	
α_w 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

v5

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Quality Manager

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