

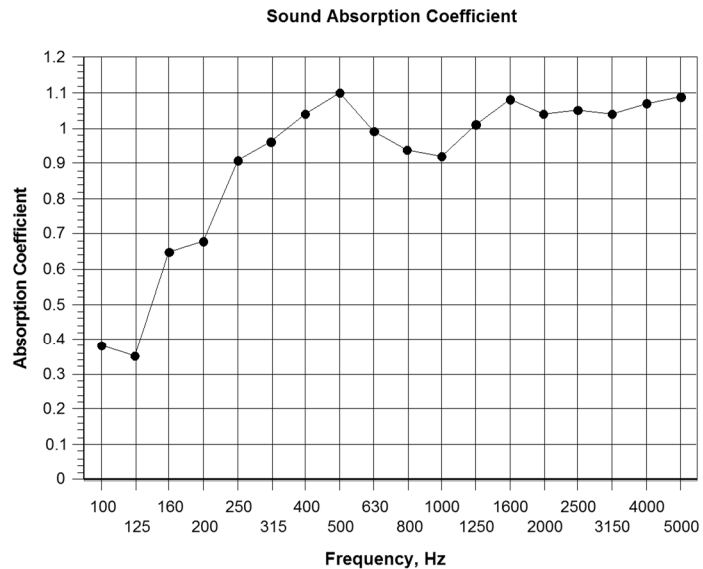
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See SRL report C/23506/T01 for full details

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

Client: Rockwool International A/S
Test Date: 15/08/2016
Empty Room: Temperature: 19.7 °C Humidity: 54 %RH Pressure: 1018 mbar
Room with Sample: Temperature: 19.8 °C Humidity: 54 %RH Pressure: 1018 mbar
Sample Description: Artio E24S8 600x600x20mm
Mounting Method: E-200
Sample Area: 10.3 m²
Chamber Volume: 300 m³

Test 2				
Freq Hz	T1 sec	T2 sec	Absorp Coeff	Practical Absorp Coeff #
50*	4.52	4.20	0.08	
63*	4.62	3.28	0.42	n/a
80*	5.71	4.31	0.27	
100	6.59	4.30	0.38	
125	6.46	4.36	0.35	0.45
160	6.56	3.44	0.65	
200	6.89	3.45	0.68	
250	7.38	3.04	0.91	0.85
315	7.45	2.95	0.96	
400	6.39	2.64	1.04	
500	5.63	2.43	1.10	1.00
630	5.07	2.45	0.99	
800	5.58	2.64	0.94	
1000	6.08	2.78	0.92	0.95
1250	5.84	2.59	1.01	
1600	5.25	2.38	1.08	
2000	4.86	2.34	1.04	1.00
2500	4.38	2.21	1.05	
3150	3.65	2.02	1.04	
4000	3.01	1.79	1.07	1.00
5000	2.44	1.56	1.09	
6300*	1.68	1.24	1.00	
8000*	1.37	1.09	0.89	n/a
10000*	0.96	0.81	0.92	



α_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

v4.3



Allen Smalls
Quality Manager

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Richard Critchlow
Deputy Technical Manager