

See SRL report C/24180/T04 for full details

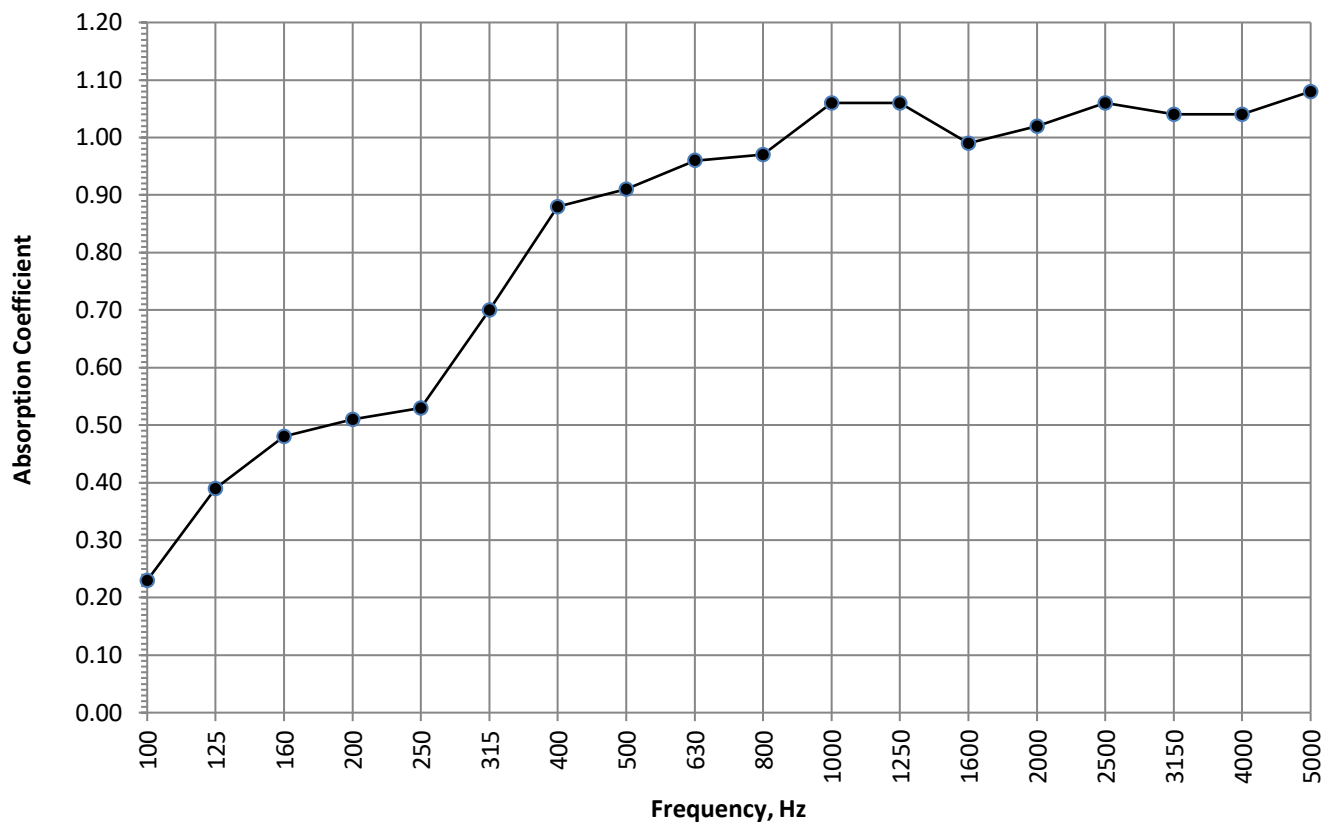
The Laboratory Measurement of Random Incidence Sound Absorption to BS EN ISO 354:2003

Client: Rockfon
Test Date: 10/10/2018
Empty Room: **Temperature:** 16.5 °C **Humidity:** 65 %RH **Pressure:** 1008 mbar
Room with Sample: **Temperature:** 17.1 °C **Humidity:** 72 %RH **Pressure:** 1004 mbar
Sample Description: Rockfon Blanka dB46 A24 1200x600x50mm
Mounting Method: E - 200
Sample Area: 10.7 m²
Chamber Volume: 300 m³

Test 37

Freq Hz	T1 sec	T2 sec	Absorp Coeff α _s	Practical Absorp Coeff #
50*	5.51	3.94	0.33	
63*	5.58	4.19	0.27	n/a
80*	7.09	4.25	0.43	
100	9.23	6.25	0.23	
125	8.52	4.91	0.39	0.35
160	6.88	3.97	0.48	
200	7.17	3.96	0.51	
250	7.44	3.98	0.53	0.60
315	6.87	3.33	0.70	
400	6.54	2.89	0.88	
500	5.78	2.68	0.91	0.90
630	5.23	2.48	0.96	
800	5.34	2.49	0.97	
1000	5.89	2.48	1.06	1.00
1250	5.93	2.48	1.06	
1600	5.49	2.50	0.99	
2000	5.10	2.39	1.02	1.00
2500	4.60	2.24	1.06	
3150	3.83	2.07	1.04	
4000	3.05	1.84	1.04	1.00
5000	2.48	1.62	1.08	
6300*	1.74	1.31	1.03	
8000*	1.40	1.11	1.12	n/a
10000*	0.98	0.89	0.87	
α_w 0.90				
Class A				
<small>Calculated to EN ISO 11654:1997</small>				
NRC 0.90				
<small>Calculated to ASTM C 423-01</small>				
<small>* Denotes frequencies outside the range covered by BS EN ISO 354:2003</small>				
<small>T1, empty room reverberation time T2, room reverberation time with sample</small>				

Sound Absorption Coefficient



Practical absorption coefficient, BS EN ISO 11654:1997

v5

Kieron Farrow

Kieron Farrow
Tester

George Thomson

George Thomson
Approved Signatory