

Acoustic Test Report - Absorption

Absorption Class: Not Classified

Calculated to EN ISO 11654:1997

Fabric: 8pt Sharkstooth Gauze

Fullness: Flat

Cavity from Wall: 100mm



the inspiration behind the performance

Data Sheet 1

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

Client: J & C Joel Ltd

Test Date: 18/09/2015

Empty Room: **Temperature:** 16.5 °C **Humidity:** 77 %RH **Pressure:** 1005 mbar

Room with Sample: **Temperature:** 16.5 °C **Humidity:** 77 %RH **Pressure:** 1005 mbar

Sample Description: Sharkstooth Gauze

Mounting Method: G-100

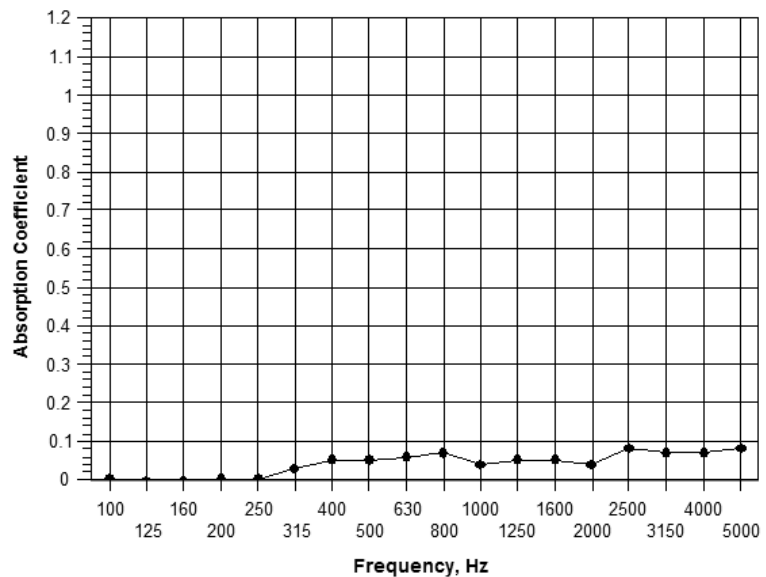
Sample Area: 10.5 m²

Chamber Volume: 300 m³

Test 2

Freq Hz	T1 sec	T2 sec	Absorp Coeff	Practical Absorp Coeff #
50*	4.81	4.94	-0.03	
63*	4.65	4.49	0.04	n/a
80*	6.59	6.49	0.01	
100	7.01	6.97	0.00	
125	7.16	7.32	-0.01	-0.00
160	6.88	7.01	-0.01	
200	6.93	6.90	0.00	
250	7.59	7.53	0.00	0.00
315	7.27	6.96	0.03	
400	6.49	6.08	0.05	
500	5.38	5.10	0.05	0.05
630	5.15	4.84	0.06	
800	5.49	5.08	0.07	
1000	5.83	5.58	0.04	0.05
1250	5.66	5.34	0.05	
1600	5.21	4.94	0.05	
2000	4.85	4.67	0.04	0.05
2500	4.48	4.17	0.08	
3150	3.87	3.66	0.07	
4000	3.25	3.10	0.07	0.05
5000	2.60	2.49	0.08	
6300*	2.00	1.93	0.08	
8000*	1.68	1.63	0.08	n/a
10000*	1.14	1.09	0.19	

Sound Absorption Coefficient



α_w 0.05

Not Classified

Calculated to EN ISO 11654:1997

NRC 0.05

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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