

Confidential

[See SRL Report C/23533/T02 for full details](#)

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

**Client:** Rockfon BV

**Test Date:** 20/09/2016

**Empty Room:** **Temperature:** 19.4 °C **Humidity:** 71 %RH **Pressure:** 1013 mbar

**Room with Sample:** **Temperature:** 19.6 °C **Humidity:** 70 %RH **Pressure:** 1012 mbar

**Sample Description:** Hygienic 40mm

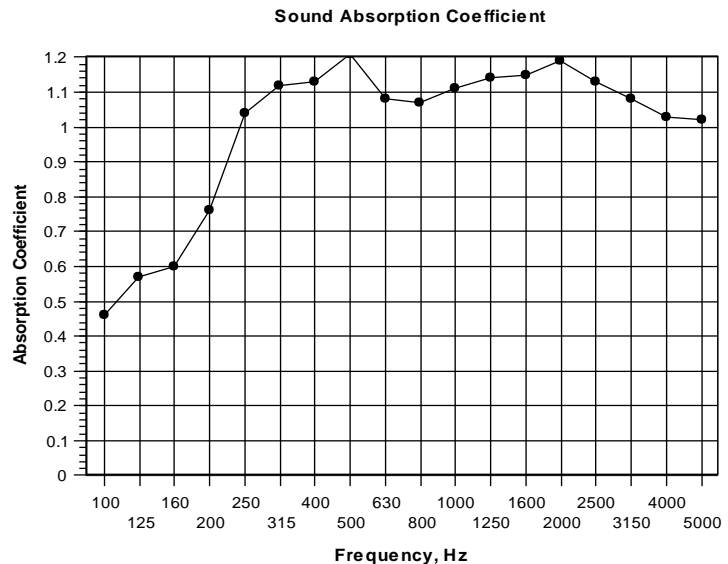
**Mounting Method:** E-200

**Sample Area:** 10.54 m<sup>2</sup>

**Chamber Volume:** 300 m<sup>3</sup>

**Test 23**

Freq Hz	T1 sec	T2 sec	Absorp Coeff	Practical Absorp Coeff #
50*	5.04	3.59	0.37	
63*	5.22	2.98	0.66	n/a
80*	5.69	3.76	0.41	
100	7.38	4.24	0.46	
125	7.68	3.93	0.57	0.55
160	6.49	3.50	0.60	
200	6.60	3.15	0.76	
250	7.19	2.74	1.04	0.95
315	7.42	2.64	1.12	
400	6.90	2.55	1.13	
500	5.88	2.31	1.21	1.00
630	5.38	2.38	1.08	
800	5.58	2.42	1.07	
1000	6.07	2.46	1.11	1.00
1250	5.79	2.38	1.14	
1600	5.29	2.27	1.15	
2000	4.93	2.16	1.19	1.00
2500	4.43	2.12	1.13	
3150	3.85	2.02	1.08	
4000	3.16	1.85	1.03	1.00
5000	2.61	1.65	1.02	
6300*	1.96	1.37	1.00	
8000*	1.58	1.18	0.97	n/a
10000*	1.13	0.91	0.97	



$\alpha_w$  1.00

Class A

Calculated to EN ISO 11654:1997

NRC 1.15

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



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