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Contract: 24507-06

Page: 1 of 1

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Confidential

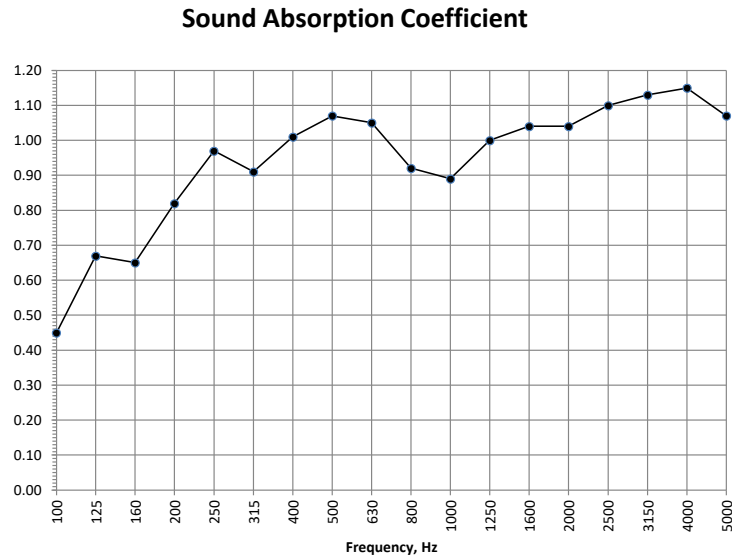
See SRL report 24507-06-SRL-RP-XT-001-P2 for full details

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

**Client:** Rockfon  
**Test Date:** 26/03/2020  
**Empty Room:** **Temperature:** 16.1 °C **Humidity:** 42 %RH **Pressure:** 1015 mbar  
**Room with Sample:** **Temperature:** 16.3 °C **Humidity:** 42 %RH **Pressure:** 1015 mbar  
**Sample Description:** Ekla E24 / 600x600x20mm / WK11C

**Mounting Method:** E - 200  
**Sample Area:** 10.26 m<sup>2</sup>  
**Chamber Volume:** 300 m<sup>3</sup>

Test 103				
Freq Hz	T1 sec	T2 sec	Absorp Coeff $\alpha_s$	Practical Absorp Coeff #
50*	5.10	4.20	0.20	
63*	5.34	4.31	0.21	n/a
80*	7.10	4.93	0.29	
100	6.78	4.12	0.45	
125	7.74	3.70	0.67	0.60
160	6.51	3.43	0.65	
200	6.61	3.09	0.82	
250	6.68	2.82	0.97	0.90
315	6.42	2.87	0.91	
400	6.35	2.70	1.01	
500	5.65	2.49	1.07	1.00
630	4.92	2.35	1.05	
800	4.97	2.53	0.92	
1000	5.50	2.70	0.89	0.95
1250	5.31	2.50	1.00	
1600	4.83	2.35	1.04	
2000	4.31	2.22	1.04	1.00
2500	3.67	1.99	1.10	
3150	2.81	1.69	1.13	
4000	2.23	1.45	1.15	1.00
5000	1.69	1.23	1.07	
6300*	1.10	0.88	1.10	
8000*	0.91	0.78	0.90	n/a
10000*	0.63	0.56	0.97	



$\alpha_w$  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

v5

*Kieron Farrow*

**Kieron Farrow**  
Tester

*G. Thomson*

**George Thomson**  
Approved Signatory