

Confidential

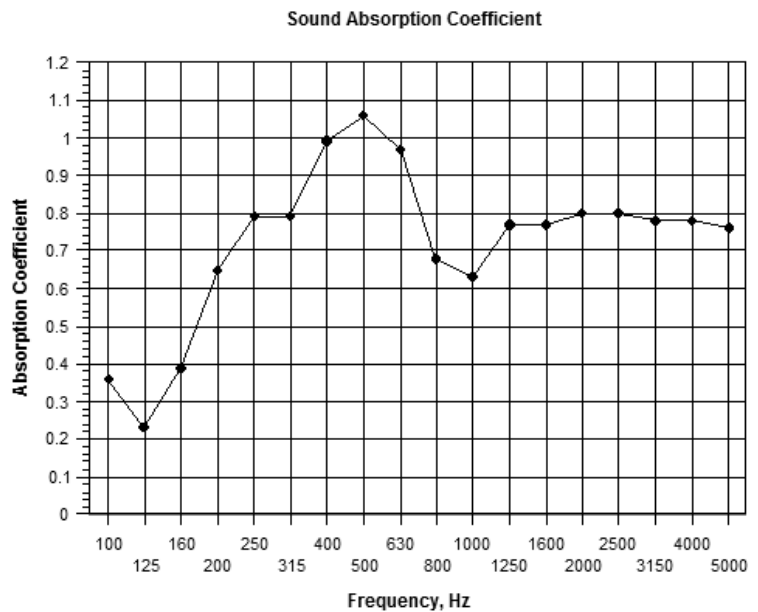
See SRL report C/23125/T01 for full details

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

Client: BAUSEWEIN Metaldecken GmbH
Test Date: 08/06/2015
Empty Room: Temperature: 17.4 °C Humidity: 71 %RH Pressure: 1025 mbar
Room with Sample: Temperature: 17.5 °C Humidity: 61 %RH Pressure: 1025 mbar
Sample Description: 600x600mm Bausewein Metal Rg 4533 (LB452) with fleece R6/60 FF

Mounting Method: E-200
Sample Area: 10.8 m²
Chamber Volume: 300 m³

Test 12				
Freq Hz	T1 sec	T2 sec	Absorp Coeff	Practical Absorp Coeff #
50*	4.83	4.28	0.12	
63*	4.89	3.98	0.21	n/a
80*	5.67	4.52	0.20	
100	7.87	4.81	0.36	
125	7.46	5.41	0.23	0.35
160	7.02	4.36	0.39	
200	7.19	3.51	0.65	
250	7.59	3.25	0.79	0.75
315	6.82	3.09	0.79	
400	6.62	2.69	0.99	
500	5.68	2.43	1.06	1.00
630	5.25	2.47	0.97	
800	5.60	3.04	0.68	
1000	6.08	3.30	0.63	0.70
1250	5.83	2.91	0.77	
1600	5.34	2.78	0.77	
2000	4.86	2.59	0.80	0.80
2500	4.44	2.45	0.80	
3150	3.78	2.23	0.78	
4000	3.07	1.94	0.78	0.75
5000	2.44	1.65	0.76	
6300*	1.78	1.27	0.81	
8000*	1.44	1.09	0.69	n/a
10000*	1.04	0.81	0.76	



a_w 0.80
Class B
 Calculated to EN ISO 11654:1997
 NRC 0.80
 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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