

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 Metalldecken 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

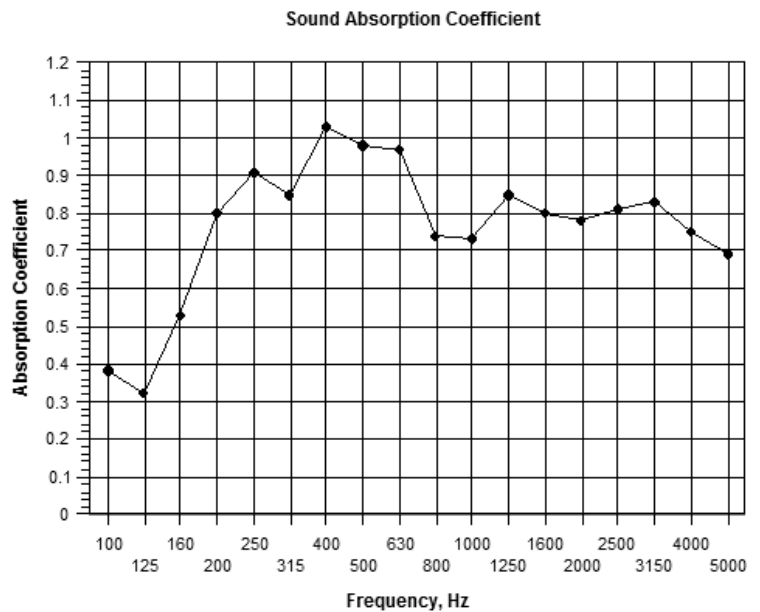
**Sample Description:** 600x600mm Bausewein Metal Rg 3011 (LB302) with fleece R6/60 FF

**Mounting Method:** E-200

**Sample Area:** 10.8 m<sup>2</sup>

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

Test 14				
Freq Hz	T1 sec	T2 sec	Absorp Coeff	Practical Absorp Coeff #
50*	4.83	4.28	0.12	
63*	4.89	3.59	0.33	n/a
80*	5.67	4.46	0.21	
100	7.87	4.74	0.38	
125	7.46	4.88	0.32	0.40
160	7.02	3.84	0.53	
200	7.19	3.16	0.80	
250	7.59	2.99	0.91	0.85
315	6.82	2.97	0.85	
400	6.62	2.63	1.03	
500	5.68	2.54	0.98	1.00
630	5.25	2.47	0.97	
800	5.60	2.92	0.74	
1000	6.08	3.06	0.73	0.75
1250	5.83	2.78	0.85	
1600	5.34	2.73	0.80	
2000	4.86	2.62	0.78	0.80
2500	4.44	2.43	0.81	
3150	3.78	2.18	0.83	
4000	3.07	1.96	0.75	0.75
5000	2.44	1.69	0.69	
6300*	1.78	1.33	0.65	
8000*	1.44	1.13	0.54	n/a
10000*	1.04	0.82	0.69	



*A<sub>w</sub>* 0.80(L)  
Class B  
Calculated to EN ISO 11654:1997  
NRC 0.85  
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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