

BS EN ISO 354:2003**Acoustics - Measurement of absorption in a reverberation room**

Client: GIK Acoustics Europe
 Unit A, Perseverance Mills
 Giles Street, Wibsey
 BD6 3HS

Object: "Soffet with range limiter"

Please note that the percentage relative humidity is below the required minimum of 30% as specified in BS EN ISO 354:2003, clause 6.3.2
 Also please note that this test report is not UKAS accredited

Number of Samples: 8

Receiving room:

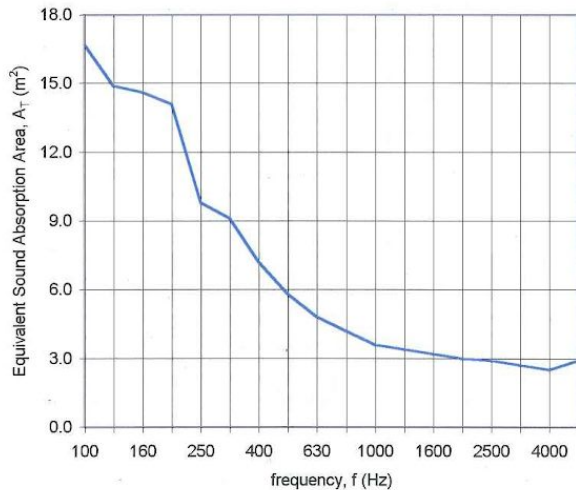
Volume: 220 m³
 Condition: clean
 Type: large reverberation room
 Location: acoustic transmission suite

Sample out: Temperature [°C]: 23.9 Humidity [%]: 23.5

Sample in: Temperature [°C]: 21.4 Humidity [%]: 20.9

Equivalent Sound Absorption Area A_T

Frequency Hz	A_T m ²
100	16.7
125	14.9
160	14.6
200	14.1
250	9.8
315	9.1
400	7.2
500	5.8
630	4.8
800	4.2
1000	3.6
1250	3.4
1600	3.2
2000	3.0
2500	2.9
3150	2.7
4000	2.5
5000	2.9



Test reference number: 1772-1892

Date: 27/04/15

Temp empty room: 23.9
 Temp sample room: 21.4
 Volume of room: 220
 Measured Length (mm) 1000
 Measured Width (mm) 8000
 Surface area of sample: 8.00

1772-1892

freq (Hz)	T ₁ empty	T ₂ sample	alpha 1	alpha 2	m1	m2	A ₁	A ₂	A _T	A _T / N
40	7.31	3.55	9.10E-05	1.08E-04	2.09E-05	2.49E-05	4.8	9.9	5.1	0.64
50	6.11	2.99	1.39E-04	1.63E-04	3.21E-05	3.76E-05	5.7	11.8	6.1	0.76
63	4.12	1.64	2.14E-04	2.47E-04	4.94E-05	5.68E-05	8.5	21.5	13.0	1.63
80	4.48	1.57	3.29E-04	3.68E-04	7.57E-05	8.48E-05	7.8	22.5	14.7	1.84
100	4.60	1.45	4.80E-04	5.20E-04	1.11E-04	1.20E-04	7.6	24.3	16.7	2.09
125	4.54	1.56	6.80E-04	7.07E-04	1.57E-04	1.63E-04	7.6	22.5	14.9	1.86
160	3.84	1.49	9.60E-04	9.49E-04	2.21E-04	2.19E-04	9.0	23.6	14.6	1.83
200	3.84	1.52	1.26E-03	1.19E-03	2.89E-04	2.74E-04	8.9	23.0	14.1	1.76
250	3.80	1.85	1.58E-03	1.45E-03	3.64E-04	3.34E-04	9.0	18.8	9.8	1.23
315	4.14	2.02	1.94E-03	1.75E-03	4.46E-04	4.03E-04	8.1	17.2	9.1	1.14
400	4.19	2.28	2.34E-03	2.13E-03	5.38E-04	4.90E-04	7.9	15.1	7.2	0.90
500	4.62	2.64	2.78E-03	2.60E-03	6.39E-04	5.99E-04	7.1	12.9	5.8	0.73
630	4.67	2.85	3.37E-03	3.31E-03	7.76E-04	7.63E-04	6.9	11.7	4.8	0.60
800	4.62	2.97	4.25E-03	4.44E-03	9.78E-04	1.02E-03	6.8	11.0	4.2	0.53
1000	4.32	2.99	5.48E-03	6.07E-03	1.26E-03	1.40E-03	7.0	10.6	3.6	0.45
1250	4.04	2.86	7.36E-03	8.58E-03	1.70E-03	1.98E-03	7.2	10.6	3.4	0.43
1600	3.68	2.68	1.07E-02	1.30E-02	2.45E-03	2.99E-03	7.4	10.6	3.2	0.40
2000	3.25	2.43	1.53E-02	1.92E-02	3.53E-03	4.43E-03	7.7	10.7	3.0	0.38
2500	2.76	2.09	2.26E-02	2.88E-02	5.20E-03	6.63E-03	8.2	11.1	2.9	0.36
3150	2.26	1.74	3.42E-02	4.39E-02	7.88E-03	1.01E-02	8.7	11.4	2.7	0.34
4000	1.80	1.42	5.29E-02	6.74E-02	1.22E-02	1.55E-02	8.8	11.3	2.5	0.31
5000	1.38	1.09	7.95E-02	9.95E-02	1.83E-02	2.29E-02	9.4	12.3	2.9	0.36
6300	1.16	0.95	1.20E-01	1.46E-01	2.77E-02	3.36E-02	6.0	7.7	1.7	0.21
8000	0.84	0.70	1.81E-01	2.10E-01	4.17E-02	4.83E-02	5.2	8.0	2.8	0.35
10000	0.58	0.50	2.60E-01	2.84E-01	5.98E-02	6.53E-02	8.1	13.3	5.2	0.65