

**Equivalent sound absorption areas according to ISO 354
Measurement of sound absorption in a reverberation room**

Client: PLN Group

Date of test: 21-Jun-16
Test room: Chamber C

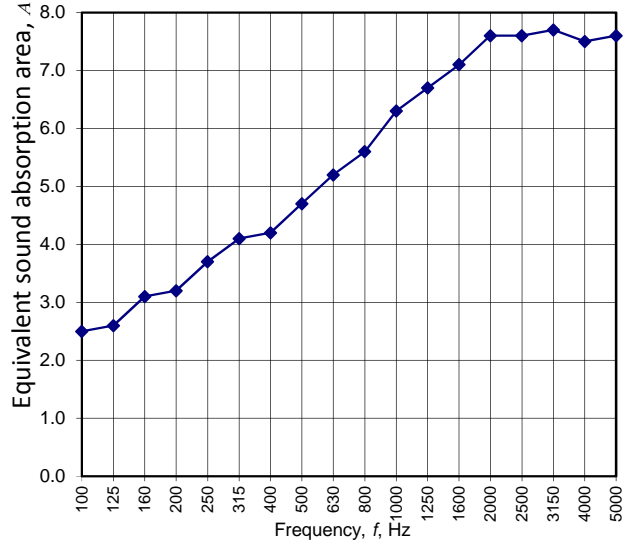
Description of the test specimen and its positioning in the test chamber:
Assembly with desk

The shape of the reverberation chamber and its diffusion treatment are described in the Annexes of the full test report.
Associated computer files:

Air temp in the test room: 18 °C
Air humidity in test room: 65 %

Number of sound source positions: 2
Number of microphone positions per sound source position: 12
Type of noise used: Pink random noise.
Type of mounting used: Type Discrete Object

Frequency <i>f</i> (Hz)	<i>T</i> ₁ - Empty Chamber (seconds)	<i>T</i> ₂ - With Sample (seconds)	<i>A</i> Third octave (m ²)
100	8.19	5.11	2.5
125	6.90	4.51	2.6
160	7.82	4.57	3.1
200	8.66	4.78	3.2
250	8.77	4.46	3.7
315	8.91	4.30	4.1
400	8.50	4.11	4.2
500	8.42	3.90	4.7
630	8.20	3.64	5.2
800	7.76	3.38	5.6
1000	7.12	3.05	6.3
1250	6.42	2.82	6.7
1600	5.68	2.60	7.1
2000	4.82	2.32	7.6
2500	4.02	2.11	7.6
3150	3.56	1.97	7.7
4000	3.02	1.81	7.5
5000	2.48	1.59	7.6



Evaluation based on laboratory measurement results obtained by an engineering method.

No. of test report: T1630-2

Name of test institute: University of Auckland Acoustics Testing Service.

Date:

Signature: **Preliminary Results Only**