

Environ Technologies Ltd

Regus House, 1010 Cambourne Business Park
 Cambourne, Cambridgeshire, UK, CB23 6DP
 Tel: +44 (0)870 383 3344
 Fax: +44 (0)1223 598001
 www.environ.co.uk

environ**lite** ELV1.1.25AC Acoustic Performance Data

Noise Measurement Information:

Test: Environ Lite Acoustic Enclosure

Test Standard:

BS EN ISO 140-3 Acoustics - Measurement of Sound Insulation in Buildings and of Building Elements - Part 1: Airborne Sound Insulation

Sound Level Measuring Equipment:

Norsonic 830 RTA Precision Sound Analyser Type 1
 CEL 284/2 Acoustic Calibrator Type 1
 JBL Loudspeaker driven by CEL Loudspeaker driven by 830 White Noise Source

Transmission Loss Data:

| Transmission Loss — Environ ELV1.1.25AC Acoustic Enclosure | | | | | | | |
|--|------------|------------|------------|-----------|-----------|-----------|-----------|
| Octave Frequency in Hertz (dB ref 2 x 10⁻⁵ Pascal's) | | | | | | | |
| 63 | 125 | 250 | 500 | 1K | 2K | 4K | 8K |
| 14 | 16 | 23 | 30 | 37 | 39 | 38 | 39 |
| <u>Summary</u> | | | | | | | |
| Transmission Loss Equates to an Overall Reduction of 26 dB(A) | | | | | | | |

Support Information:

Monitoring was carried out using the BS3740 technique, insofar as measurements were taken in each quadrant and the results averaged. Internal Test Room: W 6m x D 16m x H 5m. Background noise in the semi-reverberant test room was such as not to interfere with the practical measurements