






Client: Velux Australia Pty. Ltd.
78 Henderson Road, Alexandria, NSW 2015 Australia

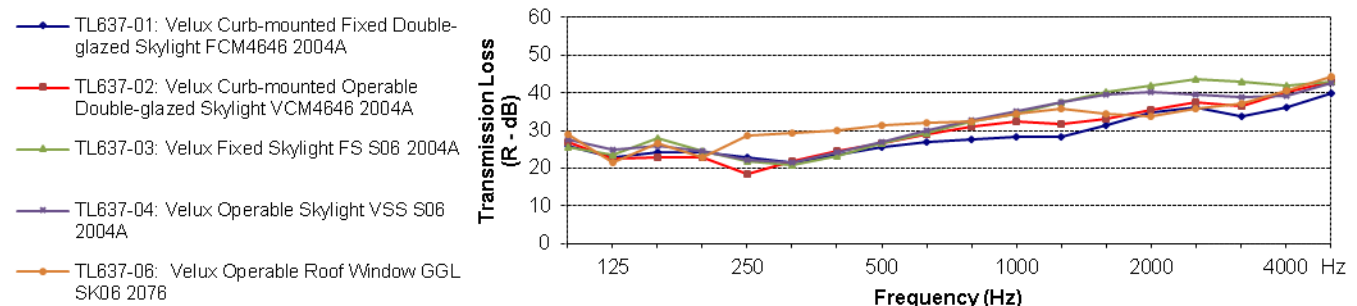
Measurement Type: Airborne Sound Insulation

AS 1191-2002 "Acoustics – Method for laboratory measurement of airborne sound insulation of building elements"
AS/NZS 1276.1:1999 (ISO 717-1:1996) "Acoustics – Rating of sound insulation in buildings and of building elements. Part 1: Airborne Sound Insulation"

Summarised Statement of Results:

At the request of the client, a statement of results has been assembled with the results for all of the specimens tested presented in graphical and tabular formats for comparison.

Specimen Test Reference	TL637-01	TL637-02	TL637-03	TL637-04	TL634-06
Velux Specimen Reference	Velux Curb-mounted Fixed Double-glazed Skylight FCM4646 2004A	Velux Curb-mounted Operable Double-glazed Skylight VCM4646 2004A	Velux Fixed Skylight FS S06 2004A	Velux Operable Skylight VSS S06 2004A	Velux Operable Roof Window GGL SK06 2076
Glazing Configuration	3.9 mm toughened / 9 mm Ar / 5.36 mm laminated	3.9 mm toughened / 9 mm Ar / 5.36 mm laminated	3 mm toughened / 9 mm Ar / 5.36 mm laminated	3 mm toughened / 9 mm Ar / 5.36 mm laminated	4 mm toughened / 15 mm Argon / 6.38 mm clear laminated
Area of Specimen (m ²)	1.48	1.48	1.24	1.24	1.24
Date of Measurement	Feb 7 2018	Feb 7 2018	Feb 8 2018	Feb 8 2018	Feb 8 2018
1/3 rd Octave centre frequency (Hz)	<u>Specimen R Value – 1/3rd Octave (dB)</u>				
100	25.8	27.1	25.6	27.5	28.9
125	22.8	22.4	23.5	24.9	21.6
160	24.1	22.8	28.0	26.1	26.8
200	24.2	23.0	24.7	24.6	22.8
250	23.0	18.4	22.0	22.1	28.7
315	21.4	21.7	20.7	21.4	29.5
400	23.6	24.7	23.1	24.3	30.0
500	25.6	26.5	26.8	27.1	31.5
630	27.0	29.0	29.5	30.2	32.1
800	27.7	31.1	32.3	32.7	32.3
1000	28.2	32.5	34.4	35.0	34.5
1250	28.4	31.7	37.5	37.5	35.9
1600	31.3	33.1	40.2	39.5	34.6
2000	34.8	35.6	42.1	40.4	33.9
2500	36.2	37.5	43.5	39.5	35.8
3150	33.7	36.6	42.9	38.8	37.1
4000	36.2	40.1	41.8	39.1	40.5
5000	40.0	42.9	42.8	42.5	44.3
R _w (C; C _{tr}) =	29 (0; -2) dB	30 (0; -3) dB	32 (-1; -3) dB	32 (0; -3) dB	34 (-1; -3) dB
STC =	29	31	32	32	34
Image of Specimen installed for testing taken from the external side (200 m ³ chamber)					



Report Reference:

This statement of results refers to the following reports held by the client:
 TL637-01: Report ref. TL637-01-1
 TL637-02: Report ref. TL637-02-1
 TL637-03: Report ref. TL637-03-1
 TL637-04: Report ref. TL637-04-1
 TL637-06: Report ref. TL637-06-1

Issuing Authority

Signed: 
 John Watson
 Date: 30 April 2018