

**IAN BENNIE AND ASSOCIATES**

**TEST REPORT NO. 2017-016-R1**

**AIR INFILTRATION TO THE METHOD OF  
AS4420.1 WINDOWS - METHODS OF TEST**

**on VELUX ROOF WINDOWS**

**for**

**VELUX Australia Pty. Ltd.**

**July 2017**



Accreditation No. 2371  
Accredited for compliance with ISO/IEC 17025.



# IAN BENNIE & ASSOCIATES PTY. LTD.

## Building Performance Testing

ACN : 007 133 253



Registered  
Laboratory  
No. 2371

### TEST REPORT NUMBER 2017-016-R1

#### SUMMARY

**Test Client:** VELUX Australia Pty. Ltd.

#### **Sample**

**Identification:** A range of VELUX roof windows were tested for air infiltration. The Product Model numbers are given in the result section following.

**Test Method:** Whilst not being a requirement for skylight products, tests were requested and carried out for Air Infiltration to the method of AS4420.1 Windows - Methods of Test.

**Test Location:** IBA Test Centre  
Dandenong, Melbourne.

**Test Date(s):** 27 to 31 March 2017.

**Pre-loading:** Each sample was preloaded to full serviceability design pressures of  $\pm 1000$  Pa and, where operable, operated prior to the commencement of testing.

**TEST RESULTS**

<b>IBA ID</b>	<b>Product ID</b>	<b>Pressure</b>	<b>Leakage</b>	<b>Comments</b>
<b>S1</b>	<b>VCS 4646 2004 on timber hob</b>	-76	4.5	Timber hob taped to flashing
<b>S2</b>	<b>VS S06 2004</b>	73	0.3	
		155	0.4	
		-75	0.5	
		-150	1.3	
<b>S3</b>	<b>GPL SK06 3076</b>	76	0.4	
		150	0.6	
		-75	0.4	
		-150	0.6	
<b>S4</b>	<b>GGL SK06 3076</b>	73	0.5	
		147	0.7	
		-75	0.5	
		-151	0.7	
<b>S5</b>	<b>VCM 4646 2004</b>	75	0.7	
		148	1.02	
		-74	0.7	
		-151	1.1	
<b>S6</b>	<b>FCM 4646 0004</b>	76	0.5	Mounted with foam on hob
		151	0.7	
		-78	0.5	
		-152	0.7	
<b>S6</b>	<b>FCM 4646 0004</b>	74	2.1	Mounted directly on hob
		152	2.9	
		-75	2.1	
		-152	3.1	
<b>S7</b>	<b>FS S06 2004</b>	72	0.3	Mounted with foam on hob
		150	0.5	
		-72	0.3	
		-151	0.8	
<b>S9</b>	<b>VSE S06 2004</b>	75	0.6	Test 2 - closed with remote
		152	0.7	
		-76	1.2	
		-149	2.8	

**DISTRIBUTION:**

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Ian Bennie 13 July 2017  
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