



Certificate of Conformity

Certification Body:



Global-Mark Pty Ltd,
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Certificate Holder:
Velux Australia Pty
Ltd
78 Henderson Road
Alexandria NSW 2015
Australia
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Certificate number: 30091 Rev1

THIS TO CERTIFY THAT

Velux Sun Tunnels TWR & TWF

Type and/or use of product:

Velux sun tunnels are used to bring natural light into attics or loft rooms where daylight is required.

Velux sun tunnels are designed for use with all building types, subject to limitations detailed within this certificate and technical documentation

Description of product:

Velux TWR Sun Tunnels provide daylight using a rigid tube from the roof surface to the internal ceiling lining.

Velux TWF Sun Tunnels provide daylight using a flexible tube from the roof surface to the internal ceiling lining.

COMPLIES WITH THE FOLLOWING BCA PROVISIONS AND STATE OR TERRITORY VARIATION(S)

BCA 2016

	Volume One – Amendment One		Volume Two	
Performance Requirement(s)	FP1.4	Health & Amenity - Weatherproofing	P2.2.2	Weatherproofing
Deemed-to-Satisfy Provision(s):	B1.4 (h) (ii)	Structure	3.6.0 (b)	Structure – Glazing
	F4.2	Health & Amenity – Natural Light	3.11.6 (i)(ii)	Structural Design Manuals
	F4.3	Health & Amenity – Natural Light borrowed from adjoining room	3.8.4.2	Natural Light
	G5.2	Construction in Bushfire Prone Areas	3.7.4.0	Bushfire Areas

Scope of certification: The CodeMark Scheme is a building product certification scheme. The rules of the Scheme are available at the ABCB website www.abcb.gov.au. This Certificate of Conformity is to confirm that the relevant requirements of the Building Code of Australia (BCA) as claimed against have been met. The responsibility for the product performance and its fitness for the intended use remain with the certificate holder. The certification is not transferrable to a manufacturer not listed on Appendix A of this certificate.

Disclaimer: The Scheme Owner, Scheme Administrator and Scheme Accreditation Body do not make any representations, warranties or guarantees, and accept no legal liability whatsoever arising from or connected to, the accuracy, reliability, currency or completeness of any material contained within this certificate; and the Scheme Owner, Scheme Administrator and Scheme Accreditation Body disclaim to the extent permitted by law, all liability (including negligence) for claims of losses, expenses, damages and costs arising as a result of the use of the product(s) referred to in this certificate.

The purpose of Global-Mark **construction site audits** is to confirm the practicability of installing the product; and to confirm the appropriateness and accuracy of installation instructions

In placing **the CodeMark mark** on the product/system, the certificate holder makes a declaration of compliance with the certification standard(s) and confirms that the product is identical to the product certified herein. In issuing this Certificate of Approval Global-Mark has relied on the **expertise of external bodies** (laboratories, and technical experts).

Herve Michoux
Global-Mark Managing Director

Peter Gardner
Unrestricted Building Certifier

Date of issue: 30/07/2018

Date of expiry: 30/07/2021



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	State or territory variation(s):	NSW G5.2 SA G5.2	Construction in Bushfire Prone Areas Construction in Bushfire Prone Areas	NSW 3.7.4.0 SA 3.7.4.1 QLD 3.7.4.0 TAS 3.7.4.0	Bushfire Areas Bushfire Areas Bushfire Areas Bushfire Areas
SUBJECT TO THE FOLLOWING LIMITATIONS AND CONDITIONS AND THE PRODUCT TECHNICAL DATA IN APPENDIX A AND EVALUATION STATEMENTS IN APPENDIX B					
Limitations and conditions:					Building classification/s:
<p>Vol 1 - A1.1 and Vol 2 - 1.1.1 – Definitions: Sun Tunnels are to be installed at an angle greater than 15 degrees measured from the horizontal plane.</p> <p>Vol 1 BP1.1 Sun Tunnels are to be specified only for non-cyclonic wind regions and have maximum Ultimate Limit State Wind Loads of +5.0kPa & -7.0kPa.</p> <p>Vol 2 - 3.6.1 – Structure - Glazing (Condition / Limitation – limited to N3 Wind): Sun Tunnels are to be specified only for non-cyclonic wind regions and have maximum Ultimate Limit State Wind Loads of +5.0kPa & -7.0kPa.</p> <p>Vol 2 - 3.6.3 – Sizes of Glazing Panes Minimum thickness of glazing as nominated within design tables included within Part 3.6.3 of Vol 2, and/or glass design to adhere to AS1288.</p> <p>Vol 1 - Spec C1.1 – 3.6 If a roof is <i>required</i> to have an FRL or its covering is <i>required</i> to be <i>non-combustible</i>, rooflights or the like installed in the roof must:</p> <p>(a) have an aggregate area of not more than 20% of the roof surface; and</p> <p>(b) be not less than 3 m from—</p> <ul style="list-style-type: none"> (i) any boundary of the allotment other than the boundary with a road or public place; and (ii) any part of the building which projects above the roof unless that part has the FRL required of a fire wall and any openings in that part of the wall for 6 m vertically above the rooflight or the like are protected in accordance with C3.4; and (iii) any rooflight or the like in an adjoining sole-occupancy unit if the walls bounding the unit are required to have an FRL; and (iv) any rooflight or the like in an adjoining fire-separated section of the building; and <p>(c) if a ceiling with a resistance to the incipient spread of fire is required, be installed in a way that will maintain the level of protection provided by the ceiling to the roof space.</p>					<p>All Building Types</p> <p>2, 3, 4, 5, 6, 7, 8 & 9</p> <p>1 & 10</p> <p>1 & 10</p> <p>2, 3, 4, 5, 6, 7, 8 & 9</p>

Vol 2 - 3.7.1.10

Combustible roof lights, skylights or the like installed in a roof or part of a roof *required* to have a *non-combustible* covering must—

- (a) have an aggregate area not more than 20% of the roof or part of the roof; and
- (b) be not less than
 - (i) 900 mm from
 - (A) the allotment boundary other than the boundary adjoining a road alignment or other public space; and
 - (B) the vertical projection of a separating wall extending to the underside of the roof covering; and
 - (ii) 1.8 m from any roof light or the like in another building on the allotment other than an appurtenant building or a detached part of the same building.

Vol 1 - D2.12 – Access & Egress

Sun Tunnels shall not be placed within 3 metres of an emergency access path when the emergency access path crosses the same roof area.

Vol 1 - F4.2 & F4.3 & Vol 2 – 3.8.4.2 – Natural Light

Compliance requires combined window, roof light and other opening areas to total a minimum percentage of floor area for the room – when solely relying upon roof lights, no less than 3% of room floor area is required for Roof Lights, alternately 10% of room floor area for Windows, or a proportional combination of the two.

Vol 1 G5.2 & Vol 2 3.7.4.0 Bushfire Construction

Sun Tunnels may be installed in buildings in designated bushfire prone areas of up to and including BAL29.

General

Sun Tunnels to be specified in accordance with the document(s) listed in appendix A3 of this certificate, by a suitably qualified building professional.

General

Sun Tunnels to be installed in accordance with the document(s) listed in appendix A5 of this certificate, by a suitably qualified building professional.

1 & 10

2, 3, 4, 5, 6, 7, 8 & 9

All Building Types

1, 2, 3 & 10

All Building Types

All Building Types



Certificate of Conformity

APPENDIX A – PRODUCT TECHNICAL DATA

A1 Type and intended use of product

See page 1 of this certificate: Type and/or use of product

A2 Description of product

See page 1 of this certificate: Description of product

- Velux Sun Tunnels must be installed in orientations greater than 15 degrees when measured from the horizontal plane.
- Velux Sun Tunnels are available in a single size, as described in Item 1 as listed in Appendix B2.

A3 Product specification

Refer to document 001 as listed in Appendix B2, “Aust New Sun Tunnel Product sheet 2017 web” dated November 2017.

A4 Manufacturer and manufacturing plant(s)

Velux Australia Pty Ltd
78 Henderson Road
Alexandria NSW 2015
Australia

Partizánske Building Components-SK s.r.o.
Malobielická 1/215
958 04 Partizánske
SLOVAKIA

A5 Installation requirements

Refer to Velux product installation instructions for TWF Sun Tunnels, document reference – “V2.0 TWF - TLF SUNTUNNEL Flexible - 453842-2015-01”.

Refer to Velux product installation instructions for TWR Sun Tunnels, document reference – “V2.0 TWR-TLR SUNTUNNEL Rigid - 453834-2015-01”.

A6 Other relevant technical data

Any referenced documents within the technical literature identified in Appendix A, A3 and Appendix A, A5.

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

The following assessment methods have been used to determine compliance with NCC 2016:

Code Clause	Assessment Method(s)	Evidence of suitability	Evidence reference in B2
NCC Vol One FP1.4	A0.5 (a)	A2.2 a(iv) – Test report	Items 5 & 6
NCC Vol Two P2.2.2	1.0.5 (a)	1.2.2 a(i) – Test report	Items 5 & 6
NCC Vol One B1.4 (h) (ii)	A0.5 (a)	A2.2 a(iv) – Test report	Items 5 & 6
NCC Vol Two 3.6.0 (b)	1.0.5 (a)	1.2.2 a(i) – Test report	Items 5 & 6
NCC Vol Two 3.11.6 (i)(ii)	1.0.5 (a)	1.2.2 a(i) – Test report	Items 5 & 6
NCC Vol One F4.2	A0.5 (a)	A2.2 a(vi) & c(ii) – Product Data & Calculation	Items 1 & 2
NCC Vol One F4.3	A0.5 (a)	A2.2 a(vi) & c(ii) – Product Data & Calculation	Items 1 & 2
NCC Vol Two 3.8.4.2	1.0.5 (a)	1.2.2 a(vi) & b(ii) – Product Data & Calculation	Items 1 & 2
NCC Vol One G5.2	A0.5 (a)	A2.2 a(iv) – Test report	Items 3 & 4
NCC Vol Two 3.7.4.0	1.0.5 (a)	1.2.2 a(i) – Test report	Items 3 & 4

B2 Reports

The following reports have been used as evidence to determine compliance with NCC 2016:

Ref	Author	Reference	Date	Description	NATA Registration
1	Velux Australia Pty Ltd	Aust New Sun Tunnel Product sheet 2018 web	Jan 18	Product brochure and data sheet for Velux Sun Tunnels TWF & TWR	–
2	Velux Australia Pty Ltd	Declaration of Performance TWR 0K14 2010E 2014	9-Mar-11	CE Product declaration data for TWR & TWF Sun Tunnels	–
3	Exova Warringtonfire	2686103.1	06-Jul-12	Fire Test Report	3277
4	Exova Warringtonfire	34505800.1	12-May-15	Fire Test Report	3277
5	Ian Bennie & Associates	4023S12-TWF	11-May-05	Weathertightness & Structural Test Report	2371
6	Ian Bennie & Associates	2015-014-S1 - TWR TWF V2.0	17-Sep-15	Weathertightness & Structural Test Report	2371

End of Certificate