



PRODUCT CERTIFICATE



**BUREAU
VERITAS**

This is to certify that

Kingspan TEK Panel Building System

Product description

Kingspan TEK panels are structural insulated panels (SIPs), consisting of PUR foam sandwiched between two layers of OSB/3 strandboard, with a total thickness of either 142mm and R5.1 thermal resistance, or 172mm and R6.4 thermal resistance. The Kingspan TEK Panel Building System is a fully insulated structural wall and/or roof system. The Kingspan TEK Panel Building System is a structural component only, and requires an external envelope cladding, over a cavity batten and building wrap to make it weathertight.

Product purpose or use

This certificate covers the use of 142mm and 172mm Kingspan TEK SIP panels for all buildings within the scope of: • NZS3604:2011 para 1.1.1, (with respect to floor plan area and building height) in all earthquake, wind, and exposure zones, • E2/AS1 para 1.0 - wind zones up to and including Extra High and risk score up to 20 • NZS4218:2009 - all climate zones.

Certificate holder

Knightbuilt Limited
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CodeMark Product Certification Body

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Sam Guindi
Product Certification Manager

For and on behalf of
Bureau Veritas Australia Pty Ltd

Complies with the New Zealand Building Code (NZBC):

If designed, used, installed and maintained in accordance with the scope of this certificate, the above mentioned product will meet or contribute to meeting the following provisions of the NZBC:

- B1 Structure – B1.3.1, B1.3.2, B1.3.3 (a), (b), (c), (f), (g), (h), (j), (l), (m), (p), (q), (r), B1.3.4.
- B2 Durability – B2.3.1 (a), B2.3.2 (a).
- E2 External Moisture – E 2.3.1, E2.3.2, E2.3.7.
- E3 Internal Moisture – E3.3.1.
- F2 Hazardous Building Materials – F2.3.1.
- H1 Energy Efficiency – H1.3.1 (a), (b), H1.3.2E.

Subject to the following conditions and limitations:

1. Kingspan 142mm TEK panels must be installed in accordance with the Kingspan TEK Construction Manual for 142mm Structural Insulated Panels (Second Issue October 2015) and addendum (Version 2 May 2018). Kingspan 172mm TEK panels must be installed in accordance with the Kingspan TEK Construction Manual for 172mm Structural Insulated Panels (First Issue 2016) and addendum (Version 1 June 2018).
2. Structural design of buildings must be supported by specific engineering design following the procedures specified by the report attached to the respective addendum.
3. Exterior faces of Kingspan TEK wall panels must be wrapped using Proclima Solitex Extasana membrane.
4. Proclima Solitex Mento 3000 membrane must be applied over Kingspan TEK roof panels
5. Openings and penetrations must be properly taped by subsequent trades, using tapes compatible with the building wrap, in accordance with the Proclima Solitex installation guides.
6. The acoustic performance of the Kingspan TEK Building System incorporated into single TEK and double TEK party walls must be verified by pre-completion testing.



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Date of issue

CM70025
Certificate Number



**MINISTRY OF BUSINESS,
INNOVATION & EMPLOYMENT**
HĪKINA WHAKATUTUKI

- This certificate is issued by an independent certification body accredited by JAS-ANZ, the product certification body appointed by the Chief Executive of the Ministry of Business, Innovation and Employment under the Building Act 2004. The Ministry does not in any way warrant, guarantee, or represent that the building method or product the subject of this certificate conforms with the New Zealand Building Code, nor accept any liability arising out of the use of the building method or product. The Ministry disclaims 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 building method(s) or product(s) referred to in this certificate.
- The certificate holder must maintain compliance with the conditions set out in section 15 of the Building (Product Certification) Regulations 2008. This certificate may only be reproduced in its entirety. It is advised to check that this certificate is currently valid and not withdrawn or suspended by referring to the Register of Product Certificates on the Building Performance website <http://www.building.govt.nz>.