

# Certificate of Conformity

This is to Certify **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.

## Complies with the Building Code of New Zealand:

When designed, specified, manufactured and installed in accordance with the conditions of this certificate, the Kingspan TEK Panel Building System will comply with or contribute to compliance with 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 – E2.3.2, E2.3.7 (contributes to).

E3 Internal Moisture – E3.3.1 (contributes to).

F2 Hazardous Building Materials – F2.3.1.

H1 Energy Efficiency – H1.3.1 (a), (b), H1.3.2E (contributes to).

## 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.



**CODEMARK™**

## Product Use and Scope

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

MDI Developments Limited  
Trading as Knightbuilt Limited  
4 Kotzikas Place  
Wigram  
Christchurch  
Ph: 0800 TEK PANEL (0800 835 726)  
Email: [info@knightbuilt.co.nz](mailto:info@knightbuilt.co.nz)  
Website: [www.knightbuilt.co.nz](http://www.knightbuilt.co.nz)



## JAS-ANZ CodeMark Certification Body

AsureQuality, 11 Hull Road  
Mt Maunganui  
New Zealand  
Tel. 0508 00 11 22  
[www.asurequality.com](http://www.asurequality.com)

[www.jas-anz.org/register](http://www.jas-anz.org/register)

John McKay, Chief Executive Officer, AsureQuality Limited

**Date of Issue**

18<sup>th</sup> May 2018

**Certificate Number**

**AQ-180518-CMNZ**  
(Rev 1 – June 2018)

MDI Developments trading as Knightbuilt Limited will notify AsureQuality Ltd in accordance with Regulation 15 of the Building (Product Certification Regulations 2008)

"This certificate is issued by an independent certification body accredited by the product certification accreditation body appointed by the Chief Executive of the Ministry of Business, Innovation and Employment (MBIE) under the Building Act 2004.

The MBIE 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 MBIE 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.

This certificate may only be reproduced in its entirety."