

CERTIFICATE OF CONFORMITY

This product Certificate is issued under Section 269 of the Building Act 2004 for:

Metalcraft Insulated Panel System



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Product Description

- The Metalcraft Insulated Panel System comprises:
 - Fully finished internal/external wall and roofing panels; and
 - The following ancillary components:

40x40x1.6mm aluminium angles	4.8x14.3mm (ASMG63.66) aluminium rivets
12mm hold-down bolts	70x50x5mm plate washers
10mm mushroom bolts	14 gauge self-drilling screws with 25mm steel washer
Flashings	Silicone sealant
- The Metalcraft Insulated Panels are branded as:
 - ThermoPanel; and
 - ThermoSpan.

They are manufactured from a Class S (AS1366.3-1992) expanded EPS core with factory laminated COLORSTEEL® facings of 0.4 to 0.6mm thickness.

The Metalcraft Insulated Panels are available in the following thicknesses (mm): 50, 75, 100, 150, 200, 250 and 300.

Product purpose and use

- The Metalcraft Insulated Panel System is certified for use as:
- A fully finished internal/external wall or roof cladding system; or
 - A structural wall system providing bracing capacity for wind and seismic loads
- For new or existing buildings within the following scope:
- A risk score of 0-20, calculated using Table 1 & Table 2, Acceptable Solution E2/AS1, Third Edition including amendment 8 (30/11/2018); and
 - Situated in all corrosion zones as defined in NZS3604:2011 except microclimate and less than 50M from breaking surf; and
 - Located further than 1m from the relevant boundary; and
 - With either:
 - A Building height of up to 10m in wind zones up to and including extra high as defined in NZS3604:2011; or
 - A building height determined by specific design limited by a maximum design differential wind pressure (ULS) of 2.5kPa.
 - Roof pitch minimum of 3 degrees; and
 - With timber or steel framing when used as a cladding.

Certificate holder

Metecno NZ Ltd trading as Metalcraft Insulated Panels, 139 Roscommon Rd, Manukau, Auckland Tel: +64 9 277 8844 , <http://www.metalcraftgroup.co.nz/products/metal-insulated-sandwich-panels/>

CodeMark Certification Body		28/06/2017	05/02/2020	05/02/2023	GM-CM30078-RevC
Global-Mark Pty Ltd, Suite 4.07, 32 Delhi Road, North Ryde NSW 2113, Australia Tel: +61 (0)2 9886 0222	Herve Michoux Managing Director	Date of issue	Last update	Date of next re-certification	Certificate Number

The purpose of construction site audits is to confirm the practicability of installing the product; and to confirm the appropriateness and accuracy of installation instructions. In issuing this certificate, Global-Mark has relied on the independent expert and/or laboratory advise or reports. This certificate is issued by Global-Mark Pty Limited, an independent certification body accredited by the product certification accreditation body (JAS-ANZ) appointed by the Chief Executive of the Ministry of Business Innovation and Employment under the Building Act 2004. The Ministry of Business Innovation and Employment 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 of Business Innovation and Employment 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.

It is advised to check that this Certificate of Conformity is currently valid and not withdrawn, suspended or superseded by a later issue by referring to the Ministry of Business Innovation and Employment website, <http://www.mbie.govt.nz/>

New Zealand Building Code (NZBC) references the Building Code in force at the time of issuing the product certificate.

Certificate holder will notify Global-Mark Pty Ltd in accordance with Regulation 15 of the Building (Product Certification) Regulations 2008

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Compliance with the New Zealand Building Code (NZBC):

Where the Metalcraft Insulated Panel System is designed, installed and maintained in accordance with the scope and conditions of this Certificate, the Metalcraft Insulated Panel System, will comply or contribute to compliance with following provisions of the NZ Building Code:

Clause B1 STRUCTURE: Performance B1.3.1, B1.3.2, B1.3.4 (b),(c),(d) and (e) for the relevant physical conditions of B1.3.3 (a),(b),(e),(f),(h) and (j)

Clause B2 DURABILITY: Performance B2.3.1(a)

Clause C3 FIRE AFFECTING AREAS BEYOND THE FIRE SOURCE: C3.4(a) where a material group number 1 is required.

Clause E2 EXTERNAL MOISTURE: Performance E2.3.1, E2.3.2, E2.3.3, E2.3.7 (b) and (c)

Clause E3 INTERNAL MOISTURE: Performance E3.3.1, E3.3.4, E3.3.5 and E3.3.6

Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1.

Clause G3 FOOD PREPARATION & PREVENTION OF CONTAMINATION: Performance G3.3.2 (a) and (b)

Clause H1 THERMAL EFFICIENCY: Performance H1.3.1 (a) and (b), H1.3.2E for the relevant physical conditions of H1.3.3 (c) and (e)

Subject to the following conditions and limitations:

- The Metalcraft Insulated Panel System must be specified, designed, installed and maintained in accordance with the set of documents below collectively referenced as Applicable Technical Documentation. ¹¹_{SEP}
 - Metalcraft Insulated Panel Systems Design and Installation Guide (V1, June 2017)
 - Metalcraft Insulated Panel Systems Care and Maintenance (V1, May 2017)
 - Metalcraft Insulated Panel Systems Specification (V1, June 2017)
 - Metalcraft Insulated Panels ThermoSpan EPS Commercial Roofing Details (Ref.: CREPS, 14/12/2018)
 - Metalcraft Insulated Panels Thermopanel EPS Controlled Environment Details (Ref.: TPEPS, 14/12/2018)
 - Metalcraft Insulated Panels ThermoSpan EPS External Wall Details (Ref.: TPWD, 14/12/2018)
- Where this Certificate is to be submitted with a building consent application, a signed declaration that the building work falls within the scope of this certificate and that all conditions of the certificate relevant to the design phase have been met must be submitted. The person signing the declaration must either have the appropriate Licensed Building Practitioner design license class for the building that is the subject of the building consent or be a Registered Architect or a Chartered Professional Engineer. By signing the declaration, the signatory confirms that he/she has access to all applicable technical documentation.
- In existing buildings, the designer signing the declaration referred in condition #2 must be satisfied that the existing building is adequate for the intended building work. This assessment is outside the scope of this certificate.
- Group 1 requires installation with ancillary components as follows, otherwise Group 2 is applicable:
 - Steel base tracks.
 - Thermopanel EPS panels joined with stainless steel rivets at 500mm centres. and sealed with Holdfast Firecyl intumescent acrylic sealant.
 - 60x60x0.5mm steel angles fixed with stainless steel rivets at 200mm centres at wall corner junctions.
 - 80x130x0.5mm steel angles fixed with stainless steel rivets at 200mm centres at wall to ceiling junctions, where 130mm leg of the angle is against the wall.
- Joinery must comply with NZS 4211:2008 including amendment 1.
- Ancillary components are part of the Metalcraft Insulated Panel System and should be sourced through Metalcraft. Where these components are substituted with alternative products, these applications fall outside the scope of this Certification.
- Where compliance with G3.3.2(a) or (b) is required, COLORSTEEL® CP-Antibacterial must be specified as the internal lining to the panel.
- As part of the application for the Code Compliance Certificate (CCC), a signed Codemark Installation Declaration must be supplied by the LBP who installed or supervised installation.

End of Document