

# THERMOPANEL AND THERMOSPAN INSULATED PANELS

## PURPOSE

Metalcraft Insulated Panel Systems supplies Thermopanel and Thermospan Insulated Panels for use as load bearing and non-load bearing wall and roofing panels.

## THERMOPANEL AND THERMOSPAN INSULATED PANELS EXPLAINED

The panels are lightweight, thermally efficient, and supplied with ancillary components, necessary for installation.

They are fully finished internal/external panels manufactured from a core of expanded polystyrene (EPS) sandwiched between 0.59mm layers of Colorsteel®.


Panels are available in a variety of colours and in the following thicknesses (mm): 50, 75, 100, 150, 200, 250, 300.

Thermopanel panels are supplied with a weathertight tongue & groove edge and are available smooth faced or with an indented pattern.

Thermospan panels are supplied in a variety of profiles, weathertightness of the connection relies on a lapped corrugation.



For further assistance please contact:

-  +64 9 277 8844
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-  [metalcraftgroup.co.nz](http://metalcraftgroup.co.nz)



## SCOPE AND LIMITATIONS OF USE


Scope	Limitations
<b>Location</b> In all wind zones up to and included extra high as defined in NZS3604:2011 or up to a specifically designed maximum wind pressure (ULS) of 2.5kPa. All corrosion zones as defined in NZS3604:2011.	<ul style="list-style-type: none"> <li>➤ Where the system is to be used in a micro-climate (as defined in clauses 4.2.2, NZS3604:2011), Metalcraft Insulated Panel Systems is to be consulted</li> </ul>
<b>Building</b> In new buildings where the relevant part of the building complies with the NZ Building Code or in existing buildings where the designer and installer have assured themselves that the relevant part of the building is adequate for the intended building work. A maximum building height of 10m. Where the panels are to be used as roof panels, a minimum roof pitch of 3°. In conjunction with a concrete, steel or timber sub-floor and flooring structure (where panels are to be load bearing). In conjunction with steel or timber structural framing and concrete, steel or timber sub-floor and flooring structure (non-load bearing). Joinery that complies with NZS4211:2008. All building uses	<ul style="list-style-type: none"> <li>➤ Where the panels are to be located within 1m of a relevant boundary the system may only be used as a non-load bearing external wall cladding system.</li> <li>➤ Where fire resistance rating (FRR) is required, specific design is required.</li> <li>➤ Where material group 2 or more is required.</li> <li>➤ Colorsteel® CP-Antibacterial must be specified where the internal face must comply with G3.3.2(a).</li> </ul>

## USEFUL INFORMATION

To assist in the design, specification and installation of the Thermopanel and Thermospan Insulated Panel system refer to [www.metalcraftgroup.co.nz](http://www.metalcraftgroup.co.nz)

## PERFORMANCE CLAIMS

If designed, installed and maintained in accordance with the all Metalcraft Insulated Panel Systems requirements, the Thermospan and Thermopanel Insulated Panels will comply with or contribute to compliance with performance claims:

NZ Building Code clauses	BASIS OF COMPLIANCE	
	Compliance statement <sup>1</sup>	Demonstrated by
<b>B1 Structure:</b> B1.3.1, B1.3.2, B1.3.3 (a), (b), (c), (f), (e), (g), (i), (j), (l), (m) & (q), B1.3.4 (a), (b), (c), (d) & (e)	PRODUCT CERTIFICATION CodeMark Certificate GM-CM30078-RevC 05/02/2020 	<ul style="list-style-type: none"> <li>› CodeMark certificate issued by Global-Mark</li> <li>› Globa-Mark is an accredited product certification body under section 263 of the Building Act 2004</li> </ul>
<b>B2 Durability:</b> B2.3.1 (a)		
<b>C3 Fire affecting areas beyond the fire source:</b> C3.4 (a)		
<b>E2 External Moisture:</b> E2.3.1, E2.3.2, E2.3.3, E2.3.4, E2.3.7 (b) & (c)		
<b>E3 Internal Moisture:</b> E3.3.1, E3.3.4, E3.3.5, E3.3.6		
<b>F2 Hazardous building material:</b> F2.3.1		
<b>G3 Food Preparation &amp; Prevention of Contamination:</b> G3.3.2 (a) & (b)		
<b>H1 Thermal Efficiency:</b> H1.3.1 (a), (b), H1.3.2E, H1.3.3 (c) & (e)		

1. The Compliance Statement is the pass holder's statement that they have met their obligations under s14G(2) of the Building Act 2004.



VERSION: .....

DATE: .....

Signed on behalf of Metalcraft Insulated Panels:

*Note: Uncontrolled in printed format.*

NAME: Peter Zeeman .....

POSITION: Manager .....

By signing this pass™ the signatory confirms that, in respect of the subject of this pass™, the company has met their s14G obligations under the Building Act 2004.

