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Metalcraft Insulated Panel System

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Abbreviation

GM-CM30078- RevC

Version

Revision C - 5/02/2020

Valid from

28/06/2017

Information provider

Ministry of Business, Innovation and Employment

Author

Global-Mark

Information type

Product Certificate (CodeMark)

Format

PDF

Description

The Metalcraft Insulated Panel System comprises:

- Fully finished internal/external wall and roofing panels, and
- The following ancillary components:
 - 40x40x1.6mm aluminium angles
 - 12mm hold-down bolt
 - 10mm mushroom bolts
 - Flashings
 - 4.8x14.3mm (ASMG63.66) aluminium rivets
 - 70x50x5mm plate washers
 - 14 gauge self-drilling screws with 25mm steel washer
 - 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.

Scope

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:
 1. A Building height of up to 10m in wind zones up to and including extra high as defined in NZS3604:2011, or
 2. 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.

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