

METALCRAFT INSULATED PANELS ASPIRESPAN

ASPIRESPAN™
 MADE IN NZ FOR LONGER LENGTHS AND QUICKER SUPPLY

PURPOSE

Aspirespan panels, supplied by Metalcraft Insulated Panels Limited, are intended for use as an insulated, fire-resistant, fully finished roof panel.

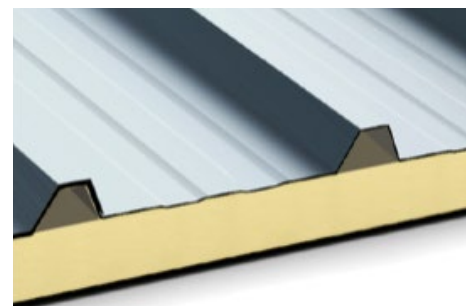
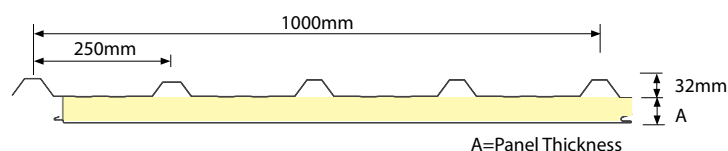
EXPLANATION

Aspirespan is a lightweight, thermally efficient roof panel, manufactured in New Zealand. The panels have a polyisocyanurate (PIR) core, sandwiched between 0.59 mm layers of galvanised steel with a factory applied Colorsteel™ finish. The Colorsteel™ finish will depend on the specific exposure zone and use.

The panels are available in a variety of colours and a single profile. With a width of 1000 mm, they can be supplied in project specific lengths.

The panels can be made with different thicknesses of PIR core (50, 75, 100, 150 mm), depending on thermal and span requirements.

The panels are supplied with a smooth internal face with a tongue and groove joint. The external face is a symmetrical, trapezoidal profile with a single lap corrugation.



For further assistance
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SCOPE AND LIMITATIONS OF USE

Scope	Limitations
Location In all wind zones, up to and including extra high wind zone as defined in NZS 3604:2011 or a calculated wind design pressure (ULS) of 4 kPa. In all exposure zones as defined in NZS 3604:2011. With a snow loading of up to 1kPa.	> All fixings to comply NZ Steel requirements (NZ Steel, 2018). > Where the system is to be used in a micro-climate (as defined in clause 4.2.2, NZS 3604:2011), Metalcraft Insulated Panels is to be consulted. > In exposure zone D, Colorsteel™ Maxx® must be specified. In exposure zone C, Colorsteel™ Maxx® or Endura® may be specified. In exposure zone B, any Colorsteel® product may be specified (NZ Steel, 2018).
Building 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.	
In all building uses.	> Where compliance with G3.3.2 (a and b) is required, Colorsteel® CP-Antibacterial must be specified as the internal lining of the panel. > Where material group 1S or greater is required.
As a roof panel.	> In accordance with the Aspirespan load span tables. > In buildings with a minimum roof pitch of 3°.

USEFUL INFORMATION

For design, installation, maintenance and warranty information for Aspirespan, and for supply and manufacturing information, and the statement made about s26 of the Building Act 2004, refer to www.metalcraftpanels.co.nz.

OTHER CERTIFICATIONS AND APPROVALS HELD BY THE STEEL MANUFACTURER

As the manufacturer of the steel that is used in the manufacture of Aspirespan, NZ Steel provides assurance that the steel:

- > has been manufactured in accordance with AS 1397-2001
- > is coated in accordance with AS/NZS 2728:2013, or galvanised in accordance with AS/NZS 2312.2:2014.

NZ Steel has established an Environmental Management System certified to ISO 14001.

CONDITIONS

The specification and installation of the Aspirespan is to be in accordance with the ThermoSpan EPS specification and installation. This documentation is available from <https://www.metalcraftgroup.co.nz/products/metal-insulated-panels/products/thermospan-eps/>.

PERFORMANCE CLAIMS

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

N.Z. Building Code clauses		BASIS OF COMPLIANCE
Compliance statement	Demonstrated by	
B1 Structure B1.3.1, B1.3.2, B1.3.3 (a), (b), (c), (f), (e), (g), (i), (j), (l), (m) & (q) B1.3.4 (b), (c), (d) & (e)	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> Product is comparable to ThermoSpan EPS with respect to compliance with Clause B1. Compliance of ThermoSpan based on GlobalMark CodeMark certification evaluation (GlobalMark, 28/06/2017). Span in accordance with Aspirespan load span tables.
B2 Durability B2.3.1(a)	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> Product is comparable to ThermoSpan EPS with respect to compliance with Clause B2. Compliance of ThermoSpan based on GlobalMark CodeMark certification evaluation (GlobalMark, 28/06/2017).
C3 Fire affecting areas beyond the fire source C3.4 (a)	ACCEPTABLE SOLUTION C/AS2 1st Edition June 2019	<ul style="list-style-type: none"> Steel is non-combustible, refer to paragraph 5.8 of C/AS2. The panel achieves a material group 1S when tested to ISO 9705:1993. The test was carried out by BRANZ and BRANZ is accredited to carry out this test (BRANZ, 6/05/2021).
E2 External moisture E2.3.1, E2.3.2, E2.3.3, E2.3.4, E2.3.7 (b) & (c)	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> Product is comparable to ThermoSpan EPS with respect to compliance with Clause E2. Compliance of ThermoSpan based on GlobalMark CodeMark certification evaluation (GlobalMark, 28/06/2017).
E3 Internal moisture E3.3.1, E3.3.4, E3.3.5, E3.3.6	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> Product is comparable to ThermoSpan EPS with respect to compliance with Clause E3. Compliance of ThermoSpan based on GlobalMark CodeMark certification evaluation (GlobalMark, 28/06/2017).
F2 Hazardous building materials F2.3.1	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> Product is comparable to ThermoSpan EPS with respect to compliance with Clause F2. Compliance of ThermoSpan based on GlobalMark CodeMark certification evaluation (GlobalMark, 28/06/2017).
G3 Food preparation and prevention of contamination G3.3.2 (a) & (b)	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> Product is comparable to ThermoSpan EPS with respect to compliance with Clause G3. Compliance of ThermoSpan based on GlobalMark CodeMark certification evaluation (GlobalMark, 28/06/2017).

Other performance statement		BASIS OF STATEMENT
Performance statement	Demonstrated by	
Aspirespan will not contaminate potable water.	AS/NZS 4020:2005	<ul style="list-style-type: none"> Claimed by NZ Steel (NZ Steel, 2018). BRANZ statement that metal roof is suitable (BRANZ, 2018).

SOURCES OF INFORMATION

- BRANZ. [6/05/2021]. *FI13647-001-C1 Group Number Classification*.
- BRANZ. [2018, November]. *Water, harvesting rain water*. Retrieved November 2019, from Level: <http://www.level.org.nz/water/water-supply/mains-or-rainwater/harvesting-rainwater/>
- Global Mark. [28/06/2017]. *Metalcraft Insulated Panel CodeMark Certificate of Conformity, GM-CM30078*. Retrieved 11/04/2019, from MBIE Product Certificate Register: metalcraft-insulated-panel-system.pdf
- NZ Steel. [2018, October]. *Colorsteel Assets*. Retrieved November 2019, from product description: NZS0005_305_Product_Technical_Statement_Endura_1pp.pdf
- NZ Steel. [2018, October]. *Environmental Categories, Warranty & Product Maintenance Recommendations*. Retrieved 2019, from Colorsteel: NZS0005_201_Environmental_Categories_Brochure_6pp.pdf
- NZ Steel. [2018, October]. *Incompatible Materials*. Retrieved 2019, from NZS0005_108_Incompatible_Materials_Bulletin.pdf

- Where a standard is referenced it is to be read as amended by the acceptable solution or verification method as applicable.
- Sources of information also include the Building Act 2004 and its regulations, including the Building Code (Schedule 1 of the Building Regulations 1992), Acceptable Solutions and Verification Methods, and relevant cited standards.
- The quality and assurance that the supplied products meet the performance claims stated in this pass™ are the responsibility of the company that is the holder of this pass™.
- The availability of the information about the supplied products required to be disclosed under s14G(3) is the responsibility of the company that is the holder of this pass™.

Metalcraft Insulated Panels confirms that if Aspirespan is used in accordance with the requirements of this pass™ the product will comply with the NZ Building Code and other performance claims set out in this pass™ and the company has met all of its obligations under s14G(2) of the Building Act.

Date of first issue: 04/02/2021

Date of current issue: 19/07/2023

NZBN: 9429036310852

Scan or click this QR code for a full download of Compliance Documentation for this pass™.
www.metalcraftgroup.co.nz



Kevin Brunton

Kevin Brunton, Technical Director, TBB confirms that the process used to prepare this pass™ on behalf of Metalcraft Insulated Panels has been undertaken in accordance with MBIE PTS guidelines and in accordance with the TBB pass™ process which is within the scope of TBB's ISO 9001 certification.

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