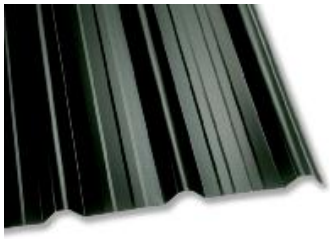
Steel & Tube Trimform

Product Technical Statement: 110064

miproducts

Trimform is a low rib, five-ribbed product.
View miproducts listing



Level of assurance needed to demonstrate NZ Building Code Compliance

MEDIUM

Supporting documentation should include technical information by manufacturer and either an independent assessment or reference to an industry-based scheme

Steel & Tube confirms that this minimum level of assurance has been met or exceeded by the following:
CodeMark
CM70050
NZ Metal Roofing Manufacturers Association Inc
Code of Practice

masterspec partner

Company Contact Details

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Technical Statement

Product Description

Trimform is the most material effective product in its class, yet its performance under load equals that of other low rib trapezoidal profiles.

Trimform is used for residential roofing and cladding, industrial/commercial roofing and cladding.

Trimform is available in clear sheeting in matching profile.

Available in metallic coated and pre-painted steel in .40mm and .55mm BMT (base metal thickness), pre-painted aluminium in .90mm, and other non-ferrous metals.

For full technical drawings in REVIT, DWG and PDF: **https://steelandtube.co.nz/bimspec/trimform**

Scope of use

Trimform is suitable for a wide range of end uses including roof and wall cladding, ceilings and linings.

For structures requiring compliance with NZBC Clause E2, minimum pitch is 3°.

Trimform is available in translucent clear sheeting (GRP) to match the Trimform profile. Matching natural lighting can be selected in trafficable, non-trafficable and fire rated options.

New Zealand Building Code (NZBC)

The product will, if employed in accordance with the supplier's installation and maintenance requirements, assist with meeting the following provisions of the building code:

- **Clause B1 Structure:** Performance B1.3.3(a), B1.3.3(b), B1.3.3(g), B1.3.3(h)
- **Clause B2 Durability:** Performance B2.3.1(b), B2.3.1(c)
- **Clause C3 Fire affecting areas beyond the fire source:** Performance C3.9
- **Clause E2 External moisture:** Performance E2.3.1, E2.3.2
- **Clause G12 Water supplies:** Performance G12.3.2

Notes

C Fire: Colorsteel® Maxx® is rated as a Group 1-S material and has an average specific extinction area of 107.0m2/kg, a peak heat release rate of 15.3 kW/m2 and total heat released of 0.44 MJ/m2 when tested in accordance with ISO 5660:2002 Part 1 and Part 2.

Colorsteel® Endura® is rated as a Group 1-S material and has an average specific extinction area of 132.2m2/kg, a peak heat release rate of 16.0 kW/m2 and total heat released of 0.54 MJ/m2 when tested in accordance with ISO 5660:2002 Part 1 and Part 2.

G12 Drinking Water: Colorsteel® Maxx® and Colorsteel® Endura® samples tested in accordance with AS/NZS 4020:2005 passed the requirements for products in contact with drinking water.

Evidence

The product meets the requirements set out in the following documents, or relevant parts of cited standards within the documents:

COLORSTEEL Fire Testing Bulletin

COLORSTEEL Endura PTS

COLORSTEEL Maxx PTS

COLORSTEEL Dridex PTS

COLORSTEEL Dridex+ PTS

Supporting Evidence

The product has and can make available the following additional evidence to support the above statements:

CodeMark
CM70050

NZ Metal Roofing Manufacturers Association Inc
Code of Practice

Product Criteria

Design requirements

To comply with the performance clause of NZBC clause E2 roof cladding to be installed in accordance with (1) acceptable solution E2/AS1 (2) NZMRM Code of Practice and (4) S&T specifications. (3) S&T Details and available on 'www.steelandtube.co.nz', (4) S&T specifications.

Roof cladding to be installed in accordance with acceptable solution E2:AS1 clause 8.4.6 Structure and table 11&12 for the wind zone at the specific site location. For additional information refer to NZMRM Code of Practice section 3.16 Maximum span and fastener requirements.

Installation requirements

Link to NZ Steel Installers Guide

Maintenance requirements

Link to NZ Steel Maintenance Guide

Warrantees

Link to NZ Steel Environmental Categories

Company Product Information

Environmental

Link to NZ Steel Environmental Product Declaration Guide

Quality Assurance

ISO 9001 (Quality Management)

Relationships

Environmental Choice New Zealand

New Zealand Made

Date last validated: **17 June 2024**

Date last updated: **17 June 2024**

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