

ST963 is a high rib profiled metal roofing and cladding with 4 trapezoidal ribs of 46mm height.

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## Level of assurance needed to demonstrate NZ Building Code Compliance

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](#)



## Technical Statement

### Product Description

ST963 is a profiled metal roofing and cladding profile with 4 trapezoidal ribs of 46mm in height.

It is suitable for roof and wall cladding, ceilings and linings. For structures requiring compliance with NZBC Clause E2, minimum pitch is 3°.

ST963 can be spring curved in .55mm thickness G550 steel to a minimum radius of 120 metres.

ST963 is available in a wide range of material including .40mm and .55mm Zinalume steel, and .70mm and .90mm aluminium, both with or without factory applied paint coatings. Galvanised steel, stainless steel and other non-ferrous materials are available subject to limitations.

Glass reinforced plastic sheeting is available in a matching profile in translucent, opalescent and opaque finishes. Where required for smoke venting, polycarbonate translucent sheeting can be matched to the profile in full length runs.

For full BIM details in REVIT, DWG and PDF: <https://steelandtube.co.nz/bimspec/st963>

### Scope of use

ST963 is suitable for a wide range of end uses including roof and wall cladding, ceilings and linings. For applications requiring compliance with NZBC Clause E2, the minimum pitch is 3°.

ST963 can be spring curved in .55mm thickness G550 steel to a minimum radius of 120 metres.

ST963 is available in clear sheeting (GRP) in matching profile.

### 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 G10 Piped services:** Performance G10.3.5
- **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 107.0m<sup>2</sup>/kg, a peak heat release rate of 15.3 kW/m<sup>2</sup> and total heat released of 0.44 MJ/m<sup>2</sup> 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 132.2m<sup>2</sup>/kg, a peak heat release rate of 16.0 kW/m<sup>2</sup> and total heat released of 0.54 MJ/m<sup>2</sup> 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](#)

## masterspec partner

### Company Contact Details



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[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](#)

## Use in Service History

## 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



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