

Miniature version of standard Corrugate

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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



Roofing Industries confirms that this minimum level of assurance has been met or exceeded by the following:

New Zealand Metal Roofing Manufacturers Association Inc (NZMRM)

[Code of Practice](#)



Technical Statement

Product Description

A miniature version of traditional corrugated roofing and cladding, Slimline® mini corrugate offers designers, builders, signwriters, fencing contractors and home owners alike, a unique and decorative alternative with a range of end uses.

Although not suitable for use as a standard roofing product it is suitable for use on smaller architectural feature roofs such as doorway entrances and canopies, and as a wall cladding profile.

Slimline® Mini Corrugate is available in a range of varied perforated materials to provide both decorative and acoustic benefits.

Scope of use

Metal cladding Materials used to construct the building envelope shall be: In accordance with the durability requirements of NZBC B2 Suitable for their end use, location and environment as shown in E2/AS1 Table 20, and Compatible with adjoining materials as shown in E2/AS1 Table 21 and Table 22.

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 B2 Durability:** Performance B2.3.1(b)
- **Clause C3 Fire affecting areas beyond the fire source:** Performance C3.9
- **Clause E2 External moisture:** Performance E2.3.1, E2.3.2

Notes

C Fire: Colorsteel® Maxx® and Colorsteel® Endura® is rated as a Group 1-S material when tested in accordance with ISO 5660:2002 Part 1 and Part 2.

C Fire Colorcote Zinacore, Magnaflow Alumigard is rated as a group 1-S material when tested in accordance with ISO 5660:2002 Part 1 & Part 2, <https://www.colorcote.co.nz/wp-content/uploads/2015/08/cc-tb-3-0708.pdf>

C.Fire Colorcote® Zinacore™ - Colorcote® Magnaflow™ Colorsteel® Alumigard™ is rated as a Group 1-S material when tested in accordance with ISO 5660:2002 Part 1 and Part 2.

G12 Drinking Water: Colorsteel® and Colorcote® 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:

New Zealand Metal Roof and Wall Cladding Code of Practice:

New Zealand Metal Roofing Manufacturers Inc. NZ Steel and Pacific Coilcoaters supplies coil to Roofing Industries:

- AS/NZS 4020: 2005 Testing of products for use in contact with drinking water
- AS/NZS 1734: 1997 Aluminium and aluminium alloys – Flat sheet, coiled sheet and plate
- AS/NZS 4534: 2006 Zinc and zinc/aluminium-alloy coatings on steel wire
- AS/NZS 4680: 2006 Hot-dip galvanized (zinc) coatings on fabricated ferrous articles
- AS 1397: 2011 Continuous hot-dip metallic coated steel sheet and strip – Coatings of zinc and zinc alloyed with aluminium and magnesium
- BS EN 988: 1997 Zinc and zinc alloys. Specification for rolled products for building
- ISO 9223: 1992 Corrosion of metals and alloys; corrosivity of atmospheres; classification

Supporting Evidence

masterspec partner

Company Contact Details



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



New Zealand Metal Roofing Manufacturers Association Inc (NZMRM)
[Code of Practice](#)

Product Criteria

Design requirements

When used as a roof a minimum pitch of 8° is recommended and sheet lengths restricted to < 3 metres. When coupled with a range of substrate materials, surface finishes and perforated options, Slimline® Mini Corrugate exhibits flexibility, and practicality as a modern architectural product.

The product suitable as a wall cladding, office fit out, fencing, acoustic walling, feature walling and similar architectural uses, and is the subject of specific design in such cases.

Installation requirements

Installation requirements Refer to the Roofing Industries Profile Technical Summary and this to be read in connection with E2/AS1 and the NZ Metal Roof and Wall Cladding Code of Practice.

Maintenance requirements

Regular maintenance will extend the life of Slimline and associated accessories.

Areas not receiving regular rain washing should be washed with fresh water on a regular basis.

Maintenance guides are available from Roofing Industries.

- Washing of naturally unwashed areas at least every 6 months.
- Removal of debris from gutters every 6 months.
- Any noticeable build up of salt deposits and/or other contaminants are removed when identified.
- When considering over painting please consult with your local distributor to ensure correct procedures are undertaken. Inspection of the roof, including fasteners, repair any damage every 6 months.

Warrantees

Most products used in the construction sector need some form of regular maintenance to ensure life of the products meet performance and warranty expectancy and most certainly metal roofing, cladding and rainwater products are no different. The cumulative effects of weather, airborne contaminants, grime and debris coupled with New Zealand's extensive coastline and associated corrosive atmosphere can create degradation without programmed maintenance.

Company Product Information

Environmental

Environmental category literature available on request to Roofing Industries or view Roofing Industries website.

Relationships



Environmental Choice New Zealand



New Zealand Made



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