

Roofing Industries Eurostyle Eurolok / Spanlok

Product Technical Statement: 106764



Eurostyle Spanlok for the North Island and Eurostyle Eurolok for the South Island

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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](#)



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Technical Statement

Product Description

With the architectural world continuously searching for the very latest in new products, design inspiration, and sound engineering practice, Roofing Industries is pleased to bring to the New Zealand market a revolutionary series of Internationally inspired roofing, wall cladding all manufactured using the very latest advances in technology.

Predicted to be at the forefront of the building, design and construction industry, Eurostyle™ is an elite roofing and walling system and offers building designers elegance, style, design flexibility, sustainability and extensive material choice.

Applications: Residential roofing and cladding; Commercial roofing and cladding; Heritage buildings; Public buildings; Sporting arenas.

Roofing Industries Eurostyle Eurolok/Spanlok is available in a range of materials and pan styles:

- 0.55 mm plain and pre-painted steel,
- 0.70 and 0.90 mm AlumiGard aluminium,
- 0.55 and 0.70 mm copper and
- 0.70 mm Titanium zinc.

Eurostyle roofing and wall cladding are installed either on fully supported systems or unsupported on purlin/battens which use a secret clip fixing.

Refer to Roofing Industries Profile Technical Summary information for characteristics and advantages of each Eurostyle Eurolok/Spanlok profile, including recommended minimum roofing pitch.

- Refer to Roofing Industries for material recommendations and standard pan widths to minimise waste and generally shorten lead times. Copper and Titanium zinc may require lead times of 3-4 months.

Scope of use

Eurostyle Eurolok/Spanlok is a wall and roof cladding with a trough profile and concealed clip fixing for non-specifically designed timber framed buildings designed and constructed in accordance with B1/AS1, NZS3604 and E2/AS1, non-specifically designed steel framed buildings to NASH 3405, and specifically designed buildings in accordance with B1/VM1 and AS/NZS 1170.

When used as a roof cladding:

- Eurostyle Eurolok/Spanlok® may be used with a minimum roof gradient of 3 degrees

When used as a wall cladding:

- Eurostyle Eurolok/Spanlok® must be fixed horizontally/vertically over a nominal 20 mm drained cavity.

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 B1.3.1, B1.3.2, B1.3.3(a), B1.3.3(b), B1.3.3(c), B1.3.3(f), B1.3.3(g), B1.3.3(h)
- **Clause B2 Durability:** Performance B2.3.1(b), B2.3.2
- **Clause C3 Fire affecting areas beyond the fire source:** Performance C3.7, C3.7(a)
- **Clause E2 External moisture:** Performance E2.3.1, E2.3.2
- **Clause F2 Hazardous building materials:** Performance F2.3.1

Notes

The product will, when installed using the details in the Eurostyle Eurolok/Spanlok® Profile Technical Summary, meet the following provisions of the building code:

- Clause B1 Structure: Performance B1.3.1; B1.3.2; B1.3.3 for the relevant physical conditions of a) self-weight, b) imposed gravity loads arising from use, (c) temperature, (f) earthquake, g (snow) and h) wind;

Company Contact Details



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B1.3.4

- Clause B2 Durability: Performance B2.3.1(b); B2.3.2
- Clause C3 Fire Affecting Areas Beyond the Fire Source: Performance C3.7 Eurostyle Eurolok/Spanlok® is non-combustible and contributes to C3.7a)
- Clause E2 External moisture: Performance E2.3.1, E2.3.2 Eurostyle Eurolok/Spanlok® falls outside the scope of E2/AS1 and is to be specifically designed and installed to the manufacturers recommendations.
- F2 Hazardous Building Material: Performance F2.3.1

Evidence

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

- Acceptable Solution for External Moisture E2/AS1 (for roofing)
- Verification Method for Structure B1/VM1
- Acceptable Solution B1/AS1
- Verification Method C/VM2
- AS/NZS 2728: 2013
- NZ Metal Roof and Wall Cladding Code of Practice Version 2.2/2012 ([MRM Code of Practice](#))
- Tested for wind loads to AS4040.2: 1992 Methods of testing sheet roof and wall cladding Resistance to wind pressures for non-cyclone regions
- 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;

Supporting Evidence

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](#)

Use in Service History

Eurostyle Eurolok/Spanlok Profile Technical Summary Test information available for our coil supplied by NZ Steel and Pacific Coilcoaters, and past history of in-service use of metal long run roof and wall cladding within New Zealand.

Product Criteria

Design requirements

For fixings and fixing patterns for Eurostyle Eurolok/Spanlok supported and unsupported systems please refer to the Roofing Industries Eurostyle Eurolok/Spanlok Profile Technical Summary and to Roofing Industries for further information.

Ventilation of the substrate is essential to allow condensation to dissipate and is critical for skillion type roofs.

Plywood to be a minimum of 15mm thick and complying with AS/NZS 2269.0, minimum CPD grade with the sanded side upwards, treated H3.2 with waterborne CCA treatment and kiln dried after treatment.

A breather type underlay is recommended over the plywood substrate. Where the Eurostyle Eurolok / Spanlok is installed over an unsupported substrate purlin centres to be set out maximum 600mm intermediate centres with sub-framing support to match.

Refer also to Roofing Industries Profile Technical Summary.

The substrate and coating system must be as recommended by Colorsteel or Colorcote for the environmental conditions at the intended building location, and as specified in E2/AS1 Table 20.

Installation requirements

Eurostyle Eurolok/Spanlok for support and unsupported please refer to Roofing Industries for further information.

Materials in contact with Eurostyle Eurolok/Spanlok must be compatible as specified in E2/AS1 Table 21.

Maintenance requirements

Regular maintenance will extend the life of Multirib® and associated accessories.

Maintenance guides are available from Roofing Industries or can be downloaded from either NZ Steel or Pacific Coilcoaters website.

Guide to regular maintenance

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- Inspect the roof, including fasteners, and repair any damage every 6 months.
- Wash areas not receiving regular rain washing with fresh water at least every 3 – 6 months.
- Remove debris from gutters every 3 - 6 months.
- Remove any noticeable buildup of salt deposits and/or other contaminants when identified.
- Please consult with your local distributor when considering over painting to ensure correct procedures are undertaken.

Warrantees

Both COLORSTEEL and COLORCOTE® have residential warranties available.

The product used and the location of the building determines the warranty period.

The environment of the building location dictates the warranty term. The Environmental Categories, Warranties and Product Maintenance Recommendations brochure has warranty periods, product recommendations, maintenance requirements and product usage restrictions.

Residential roofing and rainwater products (gutter, fascia and down pipes) warranties are issued by our Distributors. Request one when you order your pre-painted steel roof or rainwater products.

- [Colorcote Warranty](#)
- [Colorsteel Warranty](#)

Company Product Information

Environmental

Colorsteel and Colorcote prepainted steel has been extensively tested and proven in some of New Zealand's most extreme UV, wind, rain, snow and ice environments.

All Colorsteel and Colorcote is factory painted at either NZ Steel, Glenbrook or Pacific Coilcoaters, Penrose.

Both plants operate within strict environmental controls.

Environmental category literature available by request or the roof.co.nz website, or by contacting Roofing Industries, technical helpline 0800 844 822

Relationships



New Zealand Made



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