

Double Standing Seam, Angle Seam, Roll Seam, Roll Cap, Snaplock, Wall and Soffit Panel.

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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

Scope of use

Eurostyle Epic is a range of roof and wall cladding and soffit lining fully supported systems which use a secret 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. Panels are joined by clipping and seaming and do not have any external through fixings.

When used as a roof cladding

- Eurostyle Epic may be used with a minimum roof gradient of 3 degrees

When used as a wall cladding

- Eurostyle Epic Wall and Soffit Panel must be fixed over a nominal 20mm 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, 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, 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 Epic ® 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; 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 Epic is non-combustible and contributes to C3.7a) ·
- Clause E2 External moisture: Performance E2.3.1, E2.3.2 Eurostyle Epic 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:

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

- 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](#))
- 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

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- 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
- Tested for wind loads to AS4040.3: 1992 Methods of testing sheet roof and wall cladding Resistance to wind pressures for cyclone regions
- AS4040.2: 1992 Methods of testing sheet roof and wall cladding Resistance to wind pressures for non-cyclone regions.

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 Epic 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

Refer to Roofing Industries Profile Technical Summary information for characteristics and advantages of each Eurostyle 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.

Refer to MRM Code of Practice, Section 11 for Secret fixed Cladding.

Eurostyle roofing and cladding are fully supported systems which use a secret clip fixing. (Snaplock is secret fixed without a clip) and panels are joined by clipping and seaming without any external through fixings. For fixings and fixing patterns please refer to the Roofing Industries Eurostyle Epic 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 substrate 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.

Rigid wall underlay - Plywood or fibre cement sheet complying with NZBC Acceptable Solution E2/AS1, Table 23.

Installation requirements

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 Eurostyle Epic 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-

- 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

Please refer to Roofing Industries coil suppliers Environmental Categories, Warranties and Product Maintenance Recommendations brochure has warranty periods, product recommendations, maintenance requirements and product usage restrictions.

- <http://www.colorcote.co.nz/warranty/>
- <http://www.nzsteel.co.nz/assets/Uploads/Files/Environmental-Categories-Warranties-Product-Maintenance-Recommendations-Brochure.pdf>

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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