

Replicating and replacement of the bolder Fibrolite roofing and cladding of yesteryear

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Level of assurance needed to demonstrate NZ Building Code Compliance

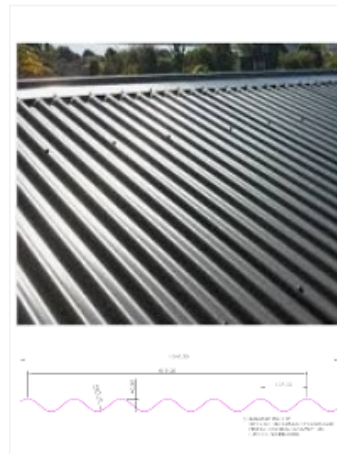
Supporting documentation should include technical information by manufacturer and either an independent assessment or reference to an industry-based scheme



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](#)



Technical Statement

Product Description

Roofing Industries True Oak® Deep is a return to bolder corrugate profile for roofing and wall cladding, available in a wide range of metal substrates and surface finishes including Galvanised, Zincalume, Aluminium-Zinc-Magnesium, Aluminium, COLORCOTE and COLORSTEEL (0.40mm BMT and 0.55 mm BMT) or aluminium (0.90 mm BMT).

True Oak® Deep is available in standard 1040 mm wide sheets, supplied in a wide range of design options, including curving, and is also available in (glass reinforced natural roof lighting). A full range of matching accessories is available including ridging, flashings, underlays, fasteners and rainwater systems

APPLICATIONS

- Residential roofing and cladding
- Rural and lifestyle roofing and cladding
- Industrial and commercial roofing and cladding
- Drape/spring curving A full range of matching accessories is available including ridging, flashings, underlays, fasteners and rainwater systems.

Scope of use

True Oak® Deep Corrugate is a bolder corrugate wall and roof cladding 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:

- True Oak® Deep may be used with a minimum roof gradient of 3 degrees

When used as a wall cladding

- True Oak® Deep may be fixed vertically directly to wall framing where the Risk Score is 0-20
- When fixed horizontally/vertically, True Oak® Deep must be fixed over a nominal 20mm drained cavity where the Risk Score is 0-20
- Specific design is required where the Risk Score is greater than 20

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), B1.3.4(a), B1.3.4(b), B1.3.4(c), B1.3.4(d), B1.3.4(e)
- **Clause B2 Durability:** Performance B2.3.1(b), B2.3.2(a), B2.3.2(b)
- **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 True Oak Deep® Corrugate 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
 1. • A. self-weight,
 2. • B. imposed gravity loads arising from use,

masterspec partner

Company Contact Details



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- 3. • C. temperature,
- 4. • F. earthquake,
- 5. • G. (snow) and
- 6. • 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 True Oak® Deep is non-combustible and contributes to C3.7a)
- Clause E2 External moisture: Performance E2.3.1, E2.3.2 True Oak® Deep complies with E2/AS1 if the roof gradient is 3 degrees or greater, and complies with E2/AS1 as a wall cladding when either fixed directly and/or horizontally/vertically over a nominal 20mm drained cavity where the Risk Score is 0-20
- 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 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](#)
- SA HB 39 Installation code for metal roof and wall cladding

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](#)

Use in Service History

True Oak® Deep Corrugate 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, refer to the Roofing Industries True Oak® Deep Corrugate Profile Technical Summary, which is to be read in connection with E2/AS1, and the NZ Metal Roof and Wall Cladding Code of Practice.

E2/AS1 states that the use of the manufacturers information may provide a more optimum spacing of fixings, and this is recommended by Roofing Industries.

For purlin sizes, spacing and fixing, refer to NZS 3604 for Timber Framed buildings and NASH 3405 for Steel Framed Houses.

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

Installation requirements

Materials in contact with True Oak® Corrugate must be compatible as specified in E2/AS1 Table 21. For full Installation requirements refer to:

- [MRM - COP](#)
- NZBC [BUILDING CODE](#)
- [RANZ](#)

Materials in contact with True Oak® Deep must be compatible as specified in E2/AS1 Table 21.

Maintenance requirements

- Regular maintenance will extend the life of True Oak® Deep and associated accessories.
- Maintenance guides are available from Roofing Industries or can be downloaded from either NZ Steel ([COLORSTEEL](#)) or Pacific Coilcoaters ([COLORCOTE](#)) 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 build-up 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

- [COLORCOTE Warranty](#)
- [COLORSTEEL Warranty](#)

Company Product Information

Environmental

[COLORCOTE](#) and [COLORSTEEL](#) pre-painted steel has been extensively tested and proven in some of New Zealand's most extreme UV, wind, rain, snow and ice environments.

All [COLORCOTE](#) and [COLORSTEEL](#) 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

Roofing Industries recently completed and achieved GreenTagCert™ GreenRate Level A certification for our roll-Formed Metal Roofing, Cladding, Flashing and Rainwater Systems using COLORCOTE.

Relationships



New Zealand Made



Date last validated: **29 May 2020**



Date last updated: **29 May 2020**

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