



Corrugate Wall & Roof Cladding BPIR Product Statement - Class 1

1. Company Details

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2. Product Name & Product Codes

Corrugate Wall & Roof Cladding

- 20206105 Corrugate 0.4 Zinc
- 20206119 Corrugate 0.4 Desert Sand
- 20206121 Corrugate 0.4 Ebony
- 20206122 Corrugate 0.4 Flaxpod
- 20206133 Corrugate 0.4 Grey Friars
- 20206138 Corrugate 0.4 Ironsand
- 20206143 Corrugate 0.4 Karaka
- 20206145 Corrugate 0.4 Lichen
- 20206152 Corrugate 0.4 Mist Green
- 20206162 Corrugate 0.4 NDB
- 20206171 Corrugate 0.4 Perm Green
- 20206172 Corrugate 0.4 Pioneer Red
- 20206175 Corrugate 0.4 S/Stone Grey
- 20206176 Corrugate 0.4 Scoria
- 20206190 Corrugate 0.4 Titania

- 20206118 Corrugate 0.4 Desert Sand Maxx
- 20206120 Corrugate 0.4 Ebony Maxx
- 20206123 Corrugate 0.4 Flaxpod Maxx
- 20206132 Corrugate 0.4 Grey Friars Maxx
- 20206137 Corrugate 0.4 Ironsand Maxx
- 20206142 Corrugate 0.4 Karaka Maxx

- 20206163 Corrugate 0.4 New Denim Blue Maxx
- 20206177 Corrugate 0.4 S/Stone Grey Maxx
- 20206178 Corrugate 0.4 Scoria Maxx
- 20206191 Corrugate 0.4 Titania Maxx

3. Product Description & Use

NZ Colorsteel Corrugate is a wall & roof cladding. It is classified as a lightweight wall cladding suitable for residential & commercial construction on garages, sleepout, homes & offices.

Key Technical Specifications:

- NZ Steel Colorsteel Endura, Colorsteel Maxx & Zinalume
- 0.4mm BMT
- Cold roll formed using prime grade G550 steel (550 mPa minimum yield stress)
- Wall cladding: direct fixed for vertical corrugate and on cavity for horizontal corrugate on lined buildings

Basis of Compliance		
NZ Building Code Clauses	Compliance Statement	Demonstrated By
B1/AS1 Structure B1.3.1, B1.3.2, B1.3.3 (a,b,c,d,g,i)	Acceptable Solution B1/AS1	AS/NZS 1397:2011 AS/NZS 1170:2021 (for span tables)
B2/AS1 Durability B2.3.1(b), B2.3.2 (b)	Acceptable Solution B2/AS1	Coated in accordance with AS/NZS 2728:2013 (Cited in E2/AS1)
C3 Fire Affecting Area Beyond the Fire Source C/AS1, C/AS2 C3.7 (a)	Acceptable Solution C/AS1 C/AS2	Steel is non-combustible
E2/AS1 External Moisture. E2.3.1, E2.3.2, E2.3.7, (a,b,c)	Acceptable Solution	E2/AS1
F2/AS1 Hazardous Building Materials F2.3.1	Alternative Solution	Coating system is inert once dry Colorsteel safety data sheet

Scope	Limitations
In all wind zones as defined in NZS 3604:2011	Corrugate Cladding applies in all wind zones including extra high wind.
In all exposure zones as defined in by NZS 3604:2011	Use Colorsteel Maxx as required by https://www.colorsteel.co.nz/assets/Brochures/Environmental-Categories-Brochure-Mar2022-WEB.pdf
On Buildings located within 1m of any relevant boundary's	Colorsteel Corrugate is non-combustible.
As a wall cladding	For horizontal corrugate a drained & ventilated cavity is required. Vertical corrugate can be direct fixed as per E2/AS1. Flashing, Flexible & Rigid building underlays & Corrugate must be in accordance with E2/AS1. Compatibility with other building materials must be in accordance with E2/AS1.
Roof	Limited to 8 degrees minimum roof pitch

4. Installation Requirements

Before installing Colorsteel Corrugate cladding appropriate safety measures must be undertaken in relation to working from height and Personal Protective Equipment.

The following items are required for installation:

- Cladding layout
- Cladding assembly guidelines and start heights
- Building construction plans
- Cladding nails or appropriate cladding gun
- Tape measure
- Builders square
- String or chalk line to mark board increments on the wall
- Hammer & nail punch
- Tin snips
- Drill, revits & Pop riveter
- Nut runner bit
- Sealant and caulking gun
- Spirit Level
- Personal Protective Equipment (PPE) i.e. gloves, hearing protection, safety glasses

Key Installation Requirements:

- Refer to cladding layout sheet for location of boards.
- As Corrugate is supplied cut to length as per cladding layout, if altering is required on site always ensure you double check that it is required before cutting any sheets on site.
- For long length board two people are required to install cladding as this will reduce the likelihood of damage to boards.
- Do not carry the boards on the flat, carry in the vertical position to avoid excessive bending.

Roof Fixing & Installation:

- Roof Fixing Pattern as per E2 Table 11.

Table 11: Steel corrugate profiled roofing – 0.4 mm BMT and minimum profile height 16.5 mm Maximum spans and fixing patterns. Refer to Paragraph 8.4.6				
Purlin spacings (metres)		Wind zones		
End span	Intermediate span	Low and Medium	High and Very High	Extra High
0.4	0.6	C2	C2	C2
0.6	0.9	C2	C2	C1
0.8	1.2	C2	C1	C1

NOTE: C1 fixing pattern is – Hit 1, miss 1...
C2 fixing pattern is – Hit 1, miss 1, hit 1, miss 2...

- Be fixed through crests.
- Be minimum 12-gauge screw with neoprene sealing washer. Penetrate purlins by a minimum of 30mm for screw fixings.
- Profiled washer and EPDM washer where required to allow for expansion of the profiled metal roof cladding as per E2 Table 16.
- Garages & sleepouts purlins are 1000mm max spacings.

Wall Fixing & Installation:

- Fix at side laps and every second trough.
- Be minimum 12-gauge screw with neoprene sealing washer. Penetrate the framing by a minimum of 30mm for screw fixings.
- Behind aluminium joinery a profiled foam in seal is fitted between the aluminium flange and the cladding.
- Cavity Battens needs to be H3.1 LOSP treated. Separation between cavity battens and cladding is not required as battens do not contain copper.
- IL1 Wall cladding nogs @:
 - 2.1 stud at 800 max
 - 2.4 stud at 800 max
 - 2.7 stud at 900 max
 - 3.0 stud at 750 max
- IL2 Wall cladding nogs: 480crs

- Wall underlays suitable for direct fixed cladding either Fast Wrap or Watergate Plus 295, Refer to E2 Table 23.

5. Maintenance Requirements

- Refer NZ Steel Environment Categories April 2022
<https://www.colorsteel.co.nz/assets/Brochures/Environmental-Categories-Brochure-Mar2022-WEB.pdf>

6. Cladding Warnings or Bans

Colorsteel Corrugate does not have a ban or subject to a warning under section 26.

Date: 1/12/2023