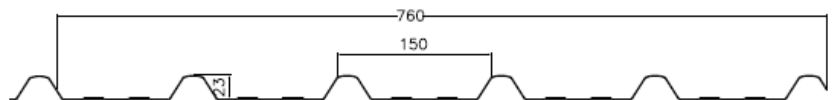




## 6 Rib Wall & Roof Cladding BPIR Product Statement - Class 1

### 1. Company Details

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### 2. Product Name & Product Codes

6 Rib Wall & Roof Cladding

- 10001705      6 Rib 0.35 Zinc
- 10015505      6 Rib 0.40 Zinc
  
- 10001733      6 Rib 0.35 Grey Friars
- 10001738      6 Rib 0.35 Iron Sand
- 10001743      6 Rib 0.35 Karaka
- 10001752      6 Rib 0.35 Mist Green
- 10001762      6 Rib 0.35 New Denim Blue
- 10001771      6 Rib 0.35 Perm Green
- 10001776      6 Rib 0.35 Scoria
- 10015519      6 Rib 0.40 Desert Sand
- 10015521      6 Rib 0.40 Ebony
- 10015522      6 Rib 0.40 Flaxpod
- 10015533      6 Rib 0.40 Grey Friars
- 10015538      6 Rib 0.40 Ironsand
- 10015543      6 Rib 0.40 Karaka
- 10015552      6 Rib 0.40 Mist Green
- 10015562      6 Rib 0.40 New Denim Blue
- 10015571      6 Rib 0.40 Perm Green
- 10015572      6 Rib 0.40 Pioneer Red
- 10015575      6 Rib 0.40 Stone Grey
- 10015576      6 Rib 0.40 Scoria
- 10015590      6 Rib 0.40 Titania

### 3. Product Description & Use

NZ Steel 6 Rib is a wall & roof cladding. It is classified as a lightweight wall cladding suitable for residential & commercial construction on garages, farm buildings, sleepouts, homes & offices.

#### Key Technical Specifications:

- NZ Steel Colorsteel Maxam & Zinalume
- 0.35mm BMT & 0.4mm BMT
- Cold roll formed using prime grade G550 steel (550 mPa minimum yield stress)
- Wall cladding: direct fixed for unlined buildings, fixed on horizontal cavibat 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	6 Rib Claddings applies in all wind zones including extra high wind.
In all exposure zones as defined in by NZS 3604:2011	In Exposure Zone D only Colorsteel Maxam must be used (very severe).
On Buildings located within 1m of any relevant boundary's	Colorsteel 6 Rib is non-combustible.
As a wall cladding	Lined buildings a drained & ventilated cavity is required. Unlined or importance level 1 buildings can be direct fixed as per E2/AS1.  Flashings, Flexible & Rigid building underlays must be in accordance with E2/AS1.  Compatibility with other building materials must be in accordance with E2/AS1.
Roof	Limited to 4 degrees minimum roof pitch

#### 4. Installation Requirements

Before installing Colorsteel 6 Rib 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 6 Rib 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:**

- Low to Very High Wind Roof Fixing Pattern:
  - sheet ends fix every rib,
  - Intermediate purlins hit, miss, hit, miss, hit (then repeat)
- Extra high Roof Fixing Pattern: fix every rib to all purlins
- 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.
- 1000mm purlin spacing on garages, farm buildings & sleepouts.
- 900mm purlin spacings on homes.

### **Wall Fixing & Installation:**

- Fix at side laps and every trough, lined buildings fixed over horizontal cavibat
- 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.
- Fixed over Cavibat. Separation between cavity battens and cladding is not required as battens do not contain copper.
- Wall cladding nogs @:
  - 2.1m stud at 800 max
  - 2.4m stud at 800 max
  - 2.7m stud at 900 max
  - 3.0 m stud at 750 max
- Farm buildings
  - 1100 crs to girts
- 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 5<sup>TH</sup> August 2024

### **6. Cladding Warnings or Bans**

Colorsteel 6 Rib does not have a ban or subject to a warning under section 26.

**Date: 1/1/2025**