



**Building Product Information Sheet**  
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## Corrugate

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### Product Drawing



### Description

Corrugate is a proprietary metal corrugate profile roofing and wall cladding system manufactured by long-run roll forming processes and installed with fix screw fasteners to supports. It can be formed from a variety of substrates to meet durability, formability, and aesthetic requirements. This BPIS includes the profile along with associated fasteners and flashings supplied by the manufacturer.

### Scope of use

Generally used for roofing and wall cladding, mansards, ceilings, fences and decorative screens, or any other cladding application.

### Limitations

Material selection must be commensurate with ambient environmental conditions. Contact with corrosive and incompatible materials, prolonged exposure to damp or corrosive internal environments, or excessive periods of wet stacking must be avoided.

### Materials

1. Metallic coated grade G300/G550 steel complying with AS 1397 type AZ 150 coating
2. Prepainted grade G300/G550 steel complying with AS 1397 coated in accordance to AS/NZS 2728 to Type 4 (Colorsteel Endura/Colorcote Zinacore) or Type 6 (Colorsteel Maxx/Colorcote MagnaFlow) specification.
3. Unpainted or Prepainted H34/H36 aluminium (Colorsteel Altimate/Colorcote Alumiguard)

Fasteners 12 g screws coated to class 5

## Installation

Installation should be carried out by a suitably qualified practitioner in accordance with manufacturer's recommendations and the Metal Roofing and Wall Cladding Code of Practice.

## Maintenance

Maintenance must be carried out in accordance with the manufacturer's recommendations. Unwashed areas must be regularly maintained to avoid the build-up of salt and debris.

## Compliance with NZ Building Code (NZBC)

Corrugated and associated flashings made from equivalent material, used in combination with fasteners, underlays and clear sheeting accredited by NZMRM as complying to their product performance standards, will contribute to meeting the following performance requirements of the NZBC:

### NZBC B1 Structure

Corrugated is verified by the NZMRM by way of confirmatory testing to complying with the attached load span tables charts as published in the Metal Roofing and Wall Cladding Code of Practice.

### NZS 3604 Wind Zones

## Buildings designed to AS/NZS 1170

### NZBC B2 Durability

Durability in accordance with Table 20 E2/AS1 Sea Spray Exposure B Low, C Medium, D High, E Severe Marine		
Product	Rain Washed Roofs	Walls and Unwashed Areas
Zincalume or Galvanised	B, C	B
Colorsteel Endura/ Colorcote Alumiguard	B, C, D	B, C
Colorsteel Maxx/Colorcote MagnaFlow	B, C, D, E	B, C, D
Aluminium	B, C, D, E	B, C, D, E

### NZBC C Fire

Colorsteel Endura and Colorsteel Maxx are rated as a Group 1-S material when tested in accordance with ISO 5660:2002 Part 2

### NZBC E1 Surface Water

Capacity Calculation in accordance with Metal Roofing and Wall Cladding Code of Practice calculators

Minimum Pitch 8°, rainfall intensity 150 mm/hr		
Maximum Run	m	22.01m at 8°
Catchment area of spreader	m <sup>2</sup>	20 m run, 4 holes in spreader
Catchment behind penetration	m <sup>2</sup>	20m run, discharging each side of penetration

**NZBC E2 External Moisture**

Flashing details should be in accordance with B J Moss Ltd design details, Metal Roofing and Wall Cladding Code of Practice, E2/AS1, or E2/AS4. Alternative details complying with the “4 D’s” (Deflection, Draining Drying and Durability) will also comply with the performance requirements of NZBC.

**NZBC E3 Internal Moisture**

When used with an absorbent, permeable underlay complying with NZS 2295:2006, or Dridex pre-adhered fleece, Corrugate will contribute to compliance with NZBC E3.3.1. Ceiling spaces of sarked roofs, skillion roofs, barrel curved roofs, flat roofs and roofs over moisture laden environments must have provision for adequate ventilation.

**NZBC F2 Hazardous Building Materials**

Rod Rib manufactured from metallic coated, prepainted metallic coated or pre-painted aluminium will meet the performance requirements of F2, 2.3.1.

The building product is not subject to a warning or ban under the Building Act 2004