

CORRUGATE PROFILE

TARANAKI STEELFORMERS TRADITIONAL PROFILE

ONE OF THE MOST WIDELY USED ROOFING AND WALL PROFILES AVAILABLE, WITH ITS STRONG TRADITIONAL APPEAL, EASE OF INSTALLATION AND RELATIVE LOW COST, TARANAKI STEELFORMERS CORRUGATE BEING LIGHT AND STRONG FINDS IMMEDIATE ACCEPTANCE IN BOTH DOMESTIC AND COMMERCIAL MARKETS. AVAILABLE IN A RANGE OF COATINGS EITHER PLAIN OR PRE-PAINTED WITH CUSTOM MADE FLASHING AND ACCESSORIES. CORRUGATE IS WARRANTED FOR COATING PERFORMANCE*, CORROSION RESISTANCE AND SUBSTRATE INTEGRITY. SO WHAT EVER THE CHOICE, DRAPE CURVED, BULL NOSE, LAID HORIZONTALLY OR CONTEMPORARY, LET YOUR IMAGINATION RUN WILD WITH CORRUGATE.

*Excluding Galvsteel™

TARANAKI STEELFORMERS LTD
WANGANUI STEELFORMERS KING COUNTRY LONGRUN



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Check out our website for more comprehensive information at: www.steelformers.co.nz

Corrugate - Technical Information

Taranaki Steelformers Ltd a locally owned and operated company is Taranaki/Wanganui's largest manufacturer of steel roofing products who deliver superior customer service by using their own trucks to supply both domestic and commercial customers from their network of four branches operating under the Steelform group.

Product Description

Our **Corrugate** profile is manufactured from .40mm(BMT) G550 (Grade) or .55mm in G550 and G300. Available plain in Galvanized and Zinalume® or in colour finishes provided by New Zealand Steel (Colorsteel®) grades Endura™ and Maxx™ or Pacific Coilcoaters (ColorCote®) grades ZR8™ and ZRX™. **Corrugate** can also be rollformed from .70g and .90g 5052 grade plain or painted Aluminum ColorCote® (ARX™). Endura™, Maxx™, ZR8™ and ZRX™ are all Zinalume® based products. Both ZRX™ and Maxx™ must have all cut edges sealed with Coilon Cut Edge Protection Lacquer (for warranty purposes).

Choice of Material

Use as the basis for selection when using Steelform **Corrugate** as a long run roofing and wallcladding product, the grade of material that will perform to the life expected in the environment the product is to be installed. Reference on the limitations of each grade of material are found in: New Zealand Steel Literature on Zinalume®, Galvsteel™ and Colorsteel® Endura™, Maxx™ Specifiers and Builders Guide and Zinalume®. Pacific Coilcoaters Literature on ColorCote® ZR8™, ColorCote® ZRX™ and ColorCote® ARX™ or AR8™ Atmospheric Environments-Usage Guide and Warranty Terms.

NZ Building Code Compliance

Past history and testing results from New Zealand Steel and Pacific Coilcoaters™ on their products indicate that providing the correct product for the environmental conditions are used, **Corrugate** installed in accordance with the NZ Metal Roofing And Cladding Manufacturers Association Inc "Profiled metal roofing design and installation handbook" and maintained in accordance with the above literature will meet the performance criteria of the New Zealand Building Code. Note - The NZ Building Code durability requirement does not include aesthetic appearance.

Fasteners and Fixings

It is important to select the correct fastener. This can be obtained in consultation with us or our fastener supplier. The profiled metal roofing design and installation handbook also provides some information on selection, fixing methods and placement of fasteners. Ensure the fasteners durability is at least equal to the durability of the roofing material.

Maximum Spans for Corrugated

The following chart shows the maximum permissible purlin spacing (span) for **Corrugate** G550 under (1 kn concentrated load) foot traffic. These should be reduced in high foot traffic areas or positioned to suit specific locations ie windy areas.

Product Storage, Handling and Installation

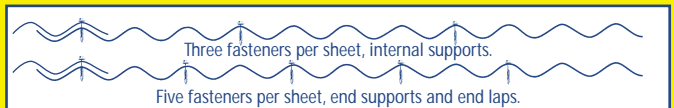
Important factors that can limit the performance of **Corrugate** are: Installation of roof pitches below the recommended minimum of **8 degrees**. Incorrect spans for the loading imposed (purlin spacing). Insufficient or incorrect fasteners to suit the environment. Allowing sheets to become wet when stored on site. Contact between dissimilar metals and water run off from particular materials ie clear sheeting. Areas not washed by rainfall. Surface coatings being damaged during installation or by other trades working on the building. Poor workmanship by using non tradesman. No allowance for thermal expansion. **Note:** Touch up paints should not be used as air drying paints weather differently than baked on paints, this can also affect warranties.

Maintenance Guidelines

Like all roofing and cladding products Steelform **Corrugate** is subject to the cumulative effects of weather, dust and atmospheric debris "Careful and regular maintenance" will extend the useful life of this product. The minimum degree of maintenance expected is: Manual washing is recommended for areas that are not receiving adequate rainwashing, ie soffits, underside of veranders, gutters, fascia, garage doors etc. these will require regular cleaning with water and a soft -bristled brush to reduce the attack from aggressive deposits. Surfaces are not to be in continuous contact with moisture and all debris is to be removed (this applies mainly to gutters). With the first sign of surface corrosion the affected area should be cleaned down, spot primed and repainted. Any fixings that have deteriorated sufficiently to cause a leakage should be replaced. Over time fading will occur making it necessary to overpaint if the aesthetic value is to be retained.

Note: Reference must be made to New Zealand Steel or Pacific Coilcoaters literature for exact details of maintenance requirements.

Fastener locations (crest fixing)



All screws must have a neoprene washer and in some circumstances may require an epdm and load spreading washer. Ensure the fasteners durability is at least equal to the durability of the roofing material.

Pan Fix option for Walls.

use 12 x 25 timbertite® or 12 x 20 steeltite®

location of span on roof	thickness of material (BMT) mm	
	0.4	0.55
End	900	1200
Intermediate	1200	1600

Max span for Corrugate with a 1KN concentrated load for G550 steel

STEELFORM

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