

# Six Rib

A modern profile fashioned for maximum strength. Six Rib is suitable for a variety of residential and commercial roofing and wall cladding use.







# PROFILE TECHNICAL SUMMARY CONT.

## MAXIMUM SPAN

For 1.1 kN Concentrated Load for G550 Steel

Location of span	Thickness (BMT)	
	.40mm	.55mm
Roof End Span	1000	1100
Roof Intermediate Span	1500	1800
Wall End Span	1400	1900
Wall Intermediate Span	2000	2700

Single spans should be limited to 80% of the above end spans.

Purlin spacing should be reduced in high traffic areas or areas supporting items such as air conditioning units or walkways that are provided for maintenance.

## FASTENINGS

Recommended roof fasteners:

Nails	75mm
Timbertites	12g x 65mm
Steeltites	12g x 55mm

Wall fastenings also available. The fastener and its coatings must be compatible and suitable for environment and roofing product.

## SHEET COVER

1 x Sheet	800mm
2 x Sheet	1530mm
3 x Sheet	2270mm
4 x Sheet	3000mm
5 x Sheet	3740mm
6 x Sheet	4470mm
7 x Sheet	5210mm
8 x Sheet	5940mm
9 x Sheet	6680mm
10 x Sheet	7410mm

## WARRANTY

Six Rib is covered by warranty for:

- Coating performance
- Corrosion resistance
- Substrate integrity

Warranty is subject to the use of the appropriate product for the environment.

A written warranty is available on request.

## MANUFACTURING BRANCHES

### Whangārei

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### Queenstown

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Manufactured custom cut to length subject to transport and site limitations.



As sheet lengths increase higher transportation costs may be applicable.



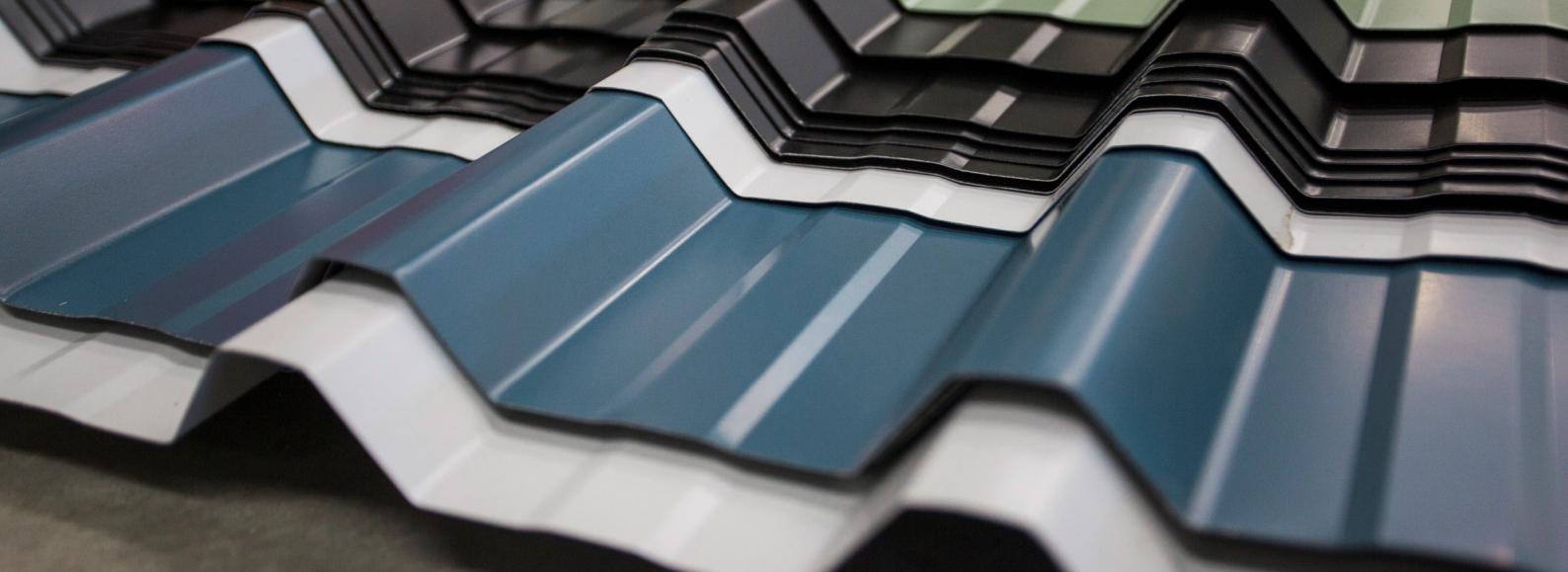
Sheet lengths in excess of 28 metres require specialised transportation.



Maximum recommended sheet lengths for aluminium are 10-12 metres for dark coloured and 12-15 metres for plain and light coloured. Refer to Roof Expansions Provisions of this summary.







## TESTING & SUPPORTIVE EVIDENCE

Supporting evidence provided where requested will apply to the product supplied for the specific project.

Technical documentation and testing evidence pertaining to Colorsteel® and Altimate® can be found here: <https://www.colorsteel.co.nz/resources/downloads-and-brochures/>

Freeman Roofing Six Rib wind capacity and span tables reflect testing undertaken by the New Zealand Metal Roofing Manufacturers Association. <https://www.metalroofing.org.nz/cop/structure/wind-loadspan-graphs-designs-asnzs1170>

## INSTALLATION ADVICE

- Store Freeman Roofing Six Rib sheets above ground level in a dry place. If they get wet, separate, wipe, and let them dry.
- Avoid using black lead pencils on aluminium/zinc or steel; they cause corrosion. Use non-black pencils, marker pens, or crayons.
- Cut pre-painted steel with shears, not friction blades or high-speed saws, which can damage the coating and create heat and swarf.
- Clear debris daily, as it's easier to prevent swarf damage.
- Install sheets with lapping, not stretching, to prevent weather penetration.
- Crest fix roofing with specified fasteners through every rib. Use load-spreading washers when needed; pan fixing is for walls.
- For wide spans, use self-drilling stitching screws for a weatherproof seal.
- Turn up/down pans on roofing and ends on wall cladding. Use foam seals when necessary.
- Install eaves flashings for low pitch or narrow soffits and in high-wind zones.
- Walk on roofing over purlins, wear flat rubber-soled shoes, and use crawl boards for carports/verandahs.
- Use cavity battens under wall cladding, adjusting screw length as needed.
- Install flashings as specified for weather tightness.

## MAINTENANCE

All roofing and cladding materials are affected by the combined influences of weather, dust, and various deposits. Therefore, the long-term performance and resilience of Freeman Roofing Six Rib roofing and wall cladding rely on proper upkeep. In the case of roofing, the natural action of rain will generally cleanse most gathered environmental particles from the upper surface.

On the other hand, wall cladding necessitates manual cleaning every 3 to 12 months (depending on the local surroundings and paint system) to prevent the accumulation of dirt, debris, or other substances that rain alone can't remove. Regions that lack sufficient rain cleaning (unwashed areas) demand more thorough manual cleaning. These areas encompass soffits, wall cladding beneath eaves, undersides of gutters, fascias, protected sections of garage doors, unwashed

roof segments, and other zones at greater risk, such as around flues, beneath television aerials and solar panels, or in locales prone to mould, lichen, bird droppings, or debris.

Maintenance of roofing and cladding materials should be cleaned manually using either water and a sponge or a gentle nylon-bristled brush. Water blasting can be employed, but the pressure must not exceed 20MPa. Avoid using harsh or solvent-based cleaners like turps, petrol, or kerosene.

Additional information pertaining to New Zealand Steel's maintenance advice for its products can be found here: [https://www.colorsteel.co.nz/assets/Brochures/Maintenance\\_Recommendations\\_Brochure\\_v4.pdf](https://www.colorsteel.co.nz/assets/Brochures/Maintenance_Recommendations_Brochure_v4.pdf).

## STATEMENT IN REGARD TO SECTION 26 OF THE BUILDING ACT

Freeman Roofing Six Rib roofing and wall cladding products are not subject to any warnings or bans under Section 26 of the Building Act.



[freemanroofing.co.nz](http://freemanroofing.co.nz)

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