COLORSTEEL®

ALTIMATE®

Rollforming Guide

COLORSTEEL ALTIMATE® combines a marine grade aluminium substrate with the proven paint technology of COLORSTEEL®.

Designed for superior corrosion protection, Altimate® is the ideal roofing and cladding solution for New Zealand's extreme conditions.

The aluminium substrate delivers exceptional resistance to corrosion, while the COLORSTEEL® paint system offers further protection and the premium finish we have all come to know and love.

SUBSTRATE

— Aluminium alloy 5005 H34 or 5052 H36

— The 'marine grade' alloy substrates have been selected for their chromium (Cr) and magnesium (Mg) content which offers the best combination of corrosion resistance and workability.

— The two different tempers designate the yield strength or workability of the substrate. Please contact your COLORSTEEL® representative for further details on indicative mechanical properties of the substrate.

FACTORY APPLIED ORGANIC COATING

— Altimate® is manufactured with the same paint system as Maxam®. This includes a corrosion resistant primer and high-quality polyester topcoats.

— Designed for harsh conditions experienced across the country, Altimate® provides exceptional resistance to corrosion. The performance and durability of Altimate® will exceed that of the existing COLORSTEEL® product range.

MATERIAL SELECTION

— H34 temper is generally appropriate for products that would normally be manufactured from G300 steel.

— H36 temper is generally appropriate for products that would normally be manufactured from G550 steel.

— H36 temper can be used to manufacture flashings folded to 90°. H34 temper should be considered for more complex or aggressive bends.

— For specific advice please contact your COLORSTEEL® representative.

ROLLFORMING & MANUFACTURING

— Rollforming machines should be set to accommodate increased material thickness.

— Checks should be made to ensure the product is not being marked. Machines should be re-set if marring is occurring.

— Lubricant is not to be used when running Altimate® or any other COLORSTEEL® products.

— Folders should have the apron set-back adjusted, following the process recommended by the manufacturer, to allow the extra clearance required. Typically, the clearance should be twice the material thickness.

INSTALLATION

— Aluminium or stainless-steel fasteners are recommended for fixing.

— Oversized holes, with profiled metal washers, should be used to avoid crevice corrosion when using stainless steel fasteners.

— Special care should be taken to avoid contact with incompatible materials such as steel, cement, timber and copper. An inert membrane should be used to isolate the two surfaces in contact.

— Refer to the MRM Code of Practice for full installation guidelines, particularly with regard to underlays/building papers, penetrations, flashings, fasteners and pitch.

— For further installation guidance refer to the **Installing COLORSTEEL®** brochure.

SERVICE OFFER

Feed sizes

» 0.90mm x 940 5052 H36 (435m/tonne)

» 0.90mm x 1220 5052 H36 (342m/tonne)

» 0.90mm x 1220 5005 H34 (342m/tonne)

» 0.90mm x 1230 5005 H34 (feed for 'slit to width' offer)

— 'Slit to width' offer available for tray and trough profile feed widths. Alternative feed widths can be sourced as required.

— Minimum Order Quantity > 0.5t for wide and slit sizes.

— Altimate® is available in all COLORSTEEL® colours.

— Altimate Dridex® is available.

— To protect the surface from possible damage, Altimate® can be ordered with removable protective film.

— Contact your COLORSTEEL® representative for pricing and lead times.

Warranty

ENVIRONMENTAL CATEGORY		ROOFING	WALL CLADDING	GUTTER DOWNPIPES	FASCIA
Extremely Severe (typically starts in the immediate vicinity of breaking surf)	**Perforation[1]**	25 years	20 years	15 years	15 years
	Paint[2]	15 years	15 years	10 years	10 years
	Required Maintenance	Rain washing	Manual washing every 3 months	Manual washing every month	Manual washing every month

* This chart is a guide only. The above warranties are subject to further terms & conditions. For full warranty details please visit Colorsteel.co.nz/warranty.
[1] Against perforation as a result of corrosion.
[2] Covering the paint surface against flaking, peeling and excessive fade.

colorsteel.co.nz

New Zealand Steel

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