

# Product Information Sheet

## MANUFACTURER

New Zealand Steel Ltd, 131 Mission Bush Rd Glenbrook 2681,  
www.nzsteel.co.nz

## DESCRIPTION

COLORSTEEL MAXX® is metallic coated steel with an organic coating applied to both surfaces. It is available in a range of thicknesses, tensile strengths and widths. Thicknesses are typically quoted as the base steel thickness rather than the total coated thickness.

## APPEARANCE

COLORSTEEL® is available in various top coat colours. The standard backer is Perpetual Grey®, or double-sided coating to customer's choice.

Colour retention (CIE Lab units Delta E) is 8 units maximum after 10 years exposure, and 10 units maximum after 15 years exposure. Chalk rating (AS 1580:481.1.11:1998) is no more than 4 after 10 years exposure.

Solar reflectance and light reflectance values vary with colour, refer to COLORSTEEL® & Reflectivity brochure for details.

## STANDARDS

Steel substrate may be either G300 or G550 consistent with AS 1397:2021.

Metallic coating is consistent with AS 1397:2021

Maxx® is Product Type 6 consistent with AS/NZS 2728:2013.

Tolerances are consistent with the requirements of AS/NZS 1365:1996.

## SCOPE

Maxx® is suitable to be manufactured into roofing, wall cladding, rainwater goods and accessories within the constraints detailed by manufacturers literature and New Zealand Building Code (NZBC) requirements.

## RELEVANCE TO THE NEW ZEALAND BUILDING CODE

### • B1 Structure

The strength of products manufactured from Maxx® depends on the profiles it is formed into. In turn, this will determine how Maxx® applies to the building code.

Structural capacity of the finished members should be obtained from the roofing manufacturer.

### • B2 Durability

Maxx® is a Type 6 product in accordance with AS/NZS 2728:2013 and therefore is consistent with the NZ Building Code for use in environments as described in Acceptable Solution E2/AS1 Table 20. Warranty information is available in the Environmental Categories, Warranty & Product Maintenance recommendations brochure.

### • C Fire

Maxx® is rated as a Group 1-S material and has an average specific extinction area of 38.2m<sup>2</sup>/kg, a peak heat release rate of 3.3 kW/m<sup>2</sup> and total heat released of 0.2 MJ/m<sup>2</sup> when tested in accordance with ISO 5660:2002 Part 1 and Part 2.

## INSTALLATION

Maxx® must be installed by a suitably qualified building practitioner in accordance with New Zealand Steel literature, the New Zealand Metal Roof and Wall Cladding Code of Practice and good trade practice.

## MAINTENANCE

Roofs exposed to the washing effects of rain should be inspected annually and any build-up of debris or other corrosive substances removed. Wall cladding and sheltered roofs and other high-risk areas must be maintained regularly in accordance with New Zealand Steel Maintenance Recommendations.

## QUALITY ASSURANCE: ISO 9001:2015.



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