

Product Information Sheet

MANUFACTURER

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

DESCRIPTION

Maxam™ 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 topcoat 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® and Reflectance bulletin for details.

STANDARDS

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

Metallic coating is AM 150 consistent with AS 1397:2011.

Maxam™ is Product Type 6 consistent with AS/NZS 2728:2013.

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

SCOPE

Maxam™ 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 Maxam™ depends on the profiles it is formed into. In turn, this will determine how Maxam™ applies to the building code. Structural capacity of the finished members should be obtained from the roofing manufacturer.
- **B2 Durability**
Maxam™ 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 and Product Warranty Guide.
- **C Fire**
Maxam™ is rated as a Group 1-S material and has an average specific extinction area of 56.0 m²/kg, a peak heat release rate of 3.6 kW/m² and total heat released of 0.3 MJ/kg when tested in accordance with ISO 5660:2002 Part 1 and Part 2.

INSTALLATION

Maxam™ 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.



NOTE: Buyers and users of New Zealand Steel Limited products and services must make their own assessment of the products for their own conditions. All queries regarding product specification, purpose or application should be directed to New Zealand Steel Limited, email specifications@colorsteel.co.nz. New Zealand Steel Limited reserves the right to modify products, techniques, equipment and statements to reflect improvements in the manufacture and application of its products. The information contained in this brochure is accurate as at July 2024 and supplied without prejudice to New Zealand Steel Limited's standard terms and conditions of sale. In the event of conflict between this information and the standard terms and conditions, the standard terms and conditions prevail. This brochure supersedes all previous brochure editions. COLORSTEEL® and Maxam™ are trademarks of New Zealand Steel Limited. Copyright® New Zealand Steel Limited. July 2024.