

# Product Information Sheet

**MANUFACTURER**

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

**DESCRIPTION**

COLORSTEEL ALTIMATE® is an aluminium metal with an organic coating applied to both surfaces. It is available in 0.90mm thickness with a small number of grade, strength and width variations.

Thickness is the nominal base metal thickness rather than the total coated thickness.

**APPEARANCE**

Altimate® is available in various topcoat colours. The standard backer is Perpetual Grey®.

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**

Aluminium substrate is in accordance with AS/NZS 1734:1997 covering chemical composition, mechanical properties, and allowable tolerances on dimensions.

Altimate® is a Type 6 product in accordance with AS/NZS 2728:2013

**SCOPE**

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

**RELEVANCE TO THE NEW ZEALAND BUILDING CODE**

- **B1 Structure**  
The strength of products manufactured from Altimate® depends on the profiles it is formed into. In turn, this will determine how Altimate® applies to the building code. Structural capacity of the finished members should be obtained from the roofing manufacturer.
- **B2 Durability**  
Altimate® is suitable for use in environments as described in Acceptable Solution E2/AS1 Table 20. For more warranty information, please refer to the Altimate® Design Guide.
- **C Fire**  
Altimate® is rated as a Group 1-S material and has an average specific extinction area of 50.9 m<sup>2</sup>/kg, a peak heat release rate of 6.5 kW/m<sup>2</sup>, and total heat released of 0.8 MJ/m<sup>2</sup> when tested in accordance with ISO 5660:2002 Part 1 and Part 2.

**INSTALLATION**

Altimate® must be installed by a suitably qualified building practitioner in accordance with New Zealand Steel literature, the MRM 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, sheltered roofs and other high-risk areas must be maintained regularly in accordance with the instructions provided in the Altimate® Design Guide.

**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](mailto: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 November 2023 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 Altimate® are trademarks of New Zealand Steel Limited. Copyright® New Zealand Steel Limited. November 2023. CSA02