

CLASS 1

VERSION 1.0

PRODUCT NAME

The Roofing Store - TRS Weatherboard

PRODUCT LINE

N/A

PRODUCT IDENTIFIER

TRS Weatherboard

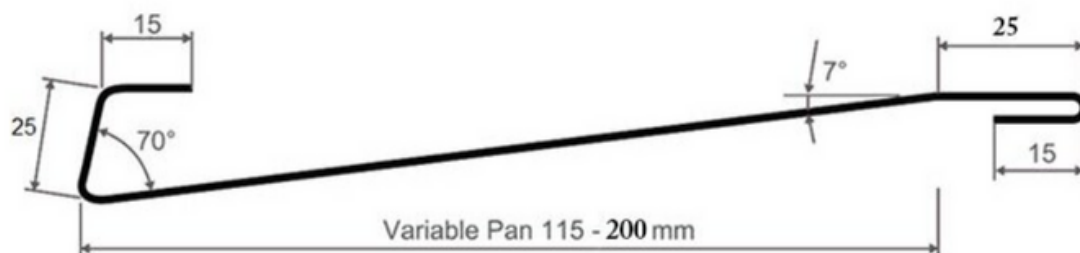
Variable pan from 115 to 200 mm;
Maximum panel length - 6.0 m for pre-painted steel; 4.0 m
for any other material
Minimum panel length - 500 mm (0.5 m)

BPIS INCLUSION / EXCLUSION

This BPIS incorporates The Roofing Store TRS Weatherboard profile along with associated flashings and other items manufactured by The Roofing Store. While The Roofing Store provides fasteners, underlay, and additional products as part of the roofing supply, it is important to note that the demonstration of compliance for these items is not the responsibility of The Roofing Store.

PRODUCT DESCRIPTION AND ITS INTENDED USE

TRS Weatherboard stands out as an ideal and low-maintenance substitute for traditional timber weatherboards. Combining the charm of classic paneling with easy installation, this system falls within the rain-screen sector, ensuring wall cladding with a pressure-equalized, ventilated air space. To enhance performance, it necessitates a vapor barrier or waterproof membrane behind the supporting framework, and its panel depth is set at a standard 25 mm.



RELEVANT BUILDING CODE CLAUSES:

B1 Structure: Performance clauses

B2 Durability: Performance clauses

C3 Fire Affecting Areas Beyond the Fire Source: Performance clauses

E2 External Moisture: Performance clauses

STATEMENT ON HOW THE BUILDING PRODUCT IS EXPECTED TO CONTRIBUTE TO COMPLIANCE:

B1 Structure: 1. Meets the minimum wind load requirements for NZ building code. 2. Meets deflection requirement as per clause 6.2.2 and the ultimate strength test as per clause 6.3 of the AS/NZ building code.

B2 Durability: 1. Passes 500 hour's-controlled condensation. 2. No coating removals.

C3 Fire Affecting Areas Beyond the Fire Source: TRS corrugate roof and wall claddings are non-combustible as per the AS/NZ building code. The peak rate of heat release and total heat release values for TRS corrugate roof and wall claddings are within the acceptable limits of C/AS2

E2 External Moisture: Meets the requirements of NZ building code E2/AS1.

INSTALLATION REQUIREMENTS

TRS Weatherboard step panels are designed exclusively for horizontal installation. It is crucial to pay special attention to the precise positioning of any wall penetrations, ensuring alignment with the joints, both horizontally and/or vertically. Due to waterproofing requirements, TRS Weatherboard step panels cannot be notched around any penetrations. For specific design dimensions and consultation, please reach out to The Roofing Store.

The system can be securely fixed onto a metal framework using adjustable brackets and cladding rails made of galvanized steel or aluminum. The brackets, affixed to the structure, serve to adjust the cladding rails (minimum thickness 2.5 mm for aluminum), functioning as a reliable support for the cladding. The minimum support for the rails is set at 40 mm.

When using timber supports for cladding fixation, it is imperative to use softwood, such as pine, ensuring durability in line with the facade's usage conditions. Any wood treatment products, including fungicides and insecticides, must be water-based. The timber supports should provide a minimum supporting surface of 40 mm for panel fixation. Galvanized steel brackets, whether adjustable or non-adjustable, are employed to fix timber battens to the support.

Both the timber framework and any thermal insulation must be fixed in compliance with local standards to ensure a flat support for the cladding. The maximum center-to-center distance for the battens is 600 mm.

MAINTENANCE REQUIREMENTS

Remove contaminants and debris: It should be kept clean and free of contaminants, such as airborne salts, and debris build up, such as lichen, mould, and bird droppings.

Rain washing: For external uses, normal rain washing will remove most contaminants from roofs and some wall areas.

Manual washing: KiwiColour recommends that every 6 to 12 months, areas that are not rain-washed, such as wall cladding under eaves and behind gutters, soffits, sheltered garage doors, and sheltered roof areas, including those under trees should be manually washed.

Wash these surfaces by: Water blasting at a pressure of between 1700 and 2800 psi, or hand washing with water and a soft bristled brush.

Avoid Touch-up Recoating: Touch-up paint should not be used on KiwiColour pre-painted steel products. Other proprietary external paint systems will perform and weather differently to the KiwiColour coatings because KiwiColour coatings are applied through a two-bake process. The use of touch-up paint is likely to lead to visible differences in colour between the KiwiColour coating and the touch-up paint in the medium to long term.

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LIMITATIONS ON THE USE OF THE BUILDING PRODUCT

Where exposure zone D applies, Vitor+ and Lux must not be used.

Where "microclimatic conditions" apply (section 4.2.4, NZS 3604:2011), contact The Roofing Store for technical advice.

DESIGN REQUIREMENTS THAT WOULD SUPPORT THE USE OF THE BUILDING PRODUCT

On buildings located any proximity to a relevant boundary, the balance of the external wall (design & construction) must comply with the relevant fire provisions of the NZ building code.

LEGAL AND TRADING NAME OF THE MANUFACTURER

The Roofing Store Limited

NZBN: 9429030587328

212a Cavendish Drive, Wiri, Auckland, New Zealand

IS THE BUILDING PRODUCT/BUILDING PRODUCT LINE SUBJECT TO WARNING OR BAN UNDER SECTION 26 OF BUILDING ACT 2004?

No

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**KIWICOLOUR® PRE-PAINTED STEEL
KIWIGALV™ STEEL**

Kiwi Steel NZ Limited
12 Hautu Drive, Wiri, Auckland, 2104, NZ

BRANCHES

The Roofing Store - Albany
09 972 0060
2 Cowley Place, Albany, Auckland

The Roofing Store - Manukau
09 277 2700
212A Cavendish Drive, Wiri, Auckland

The Roofing Store - Hamilton
07 282 0710
549A Te Rapa Road, Hamilton, Waikato

The Roofing Store - Manukau
06 323 6037
3 Mahinui Street, Fielding, Manawatu

The Roofing Store - Wellington
04 974 5762
38 Waione Street, Petone, Lower Hutt, Wellington

The Roofing Store - Christchurch
03 281 8214
37 Islington Avenue, Waterloo Business Park, Hornby, Christchurch