Product Technical Statement

VITOR+ VITOR+ZX LUX

The Roofing Store

TRS Weather Board

TRS WEATHER BOARD DETAILS:

TRS Weather Board is a low-maintenance alternative to timber weatherboard, with the appeal of a classic panelling and simplicity of installation. TRS metal weatherboard is a very cost effective and attractive system that can give classic finish for existing or new buildings.

The system belongs to the rain-screen sector (wall cladding installed with a pressure equalised, ventilated air space). It requires vapour barrier or waterproof membrane behind the supporting framework.

APPLICATION

Weatherboard Step Panels are ideal for use on new or existing buildings. They are installed as conventional weatherboard planks, resembling the look of a Bevel Back Weatherboard wood panelling.

Areas of application could include:

- Facade
- Chimney Cladding
- Interior feature walls

PANEL DIMENSIONS

Suitable for wall cladding only;

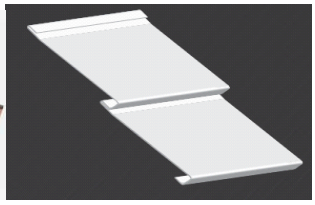
Variable pan A from 115 to 200 mm;

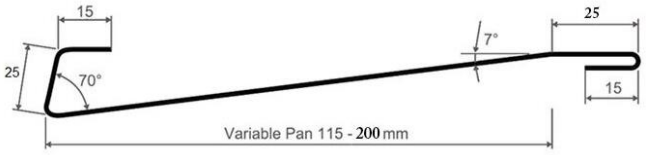
Max panel length – 6.0 m for pre-painted steel;

4.0 m for any other material

Can be manufactured in following materials only:

- Copper
- Stainless Steel
- Titanium Zinc
- Aluminium
- Kiwi Colour, Vitor+, Vitor+ ZX or LUX





DATE: 4/6/2021

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Position: Building Estimator

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Further information:

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DESIGN STANDARDS

This Product Technical Statement covers the use of TRS weather boards as wall cladding for non-specifically designed timber and steel framed buildings designed and constructed in accordance with B1/AS1, NZS3604 and E2/AS1, and specifically designed buildings in accordance with B1/VM1, AS/NSZ4040 and AS/NZS 1170 and AS 4040.3.

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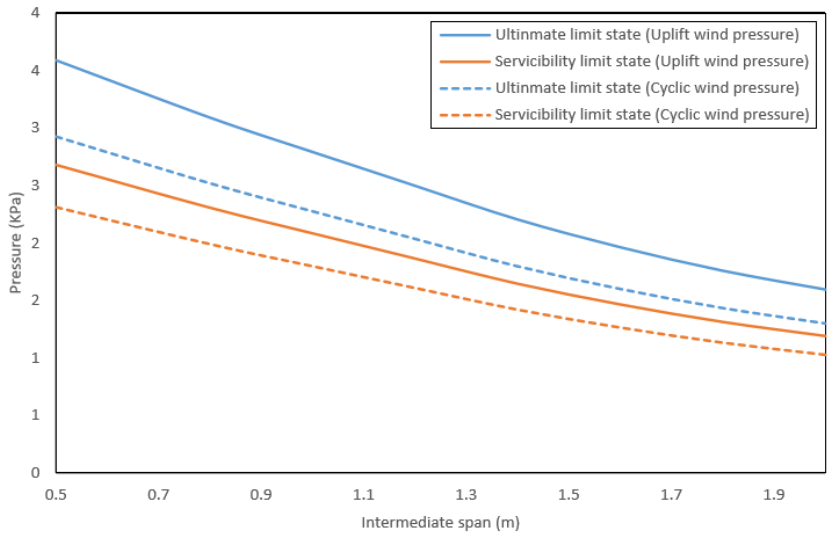
Design standards	Basis of compliance	Remarks
B2 Durability and condensation tests Compliance with B2/AS1 and AS/NZS 2728: 2013 (Table 2.5)	1. Steel coating's water resistance test. 2. T-bend adhesion test. 3. Cross hatch adhesion test. 4. Accelerated UV test. 5. Blistering.	1. Passes 500 hour's-controlled condensation. 2. No coating removals.
Structure, B1/VM1, AS/NZS 1170:2002, AS/NZS 1397: 2011, AS 4040.3	Physical in-house testing, Static wind uplift and cyclic tests in accordance with VM1.	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.
E2-External moisture	Meets the requirements of NZ building code E2/AS1.	Meets the static and cyclic wind driven water pressures as per NZ building code E2. The building designer/ Architect is ultimately responsible for details to meet the NZ Building Code.
Fire affecting areas beyond the fire source, C3.4(a), 3.5, 3.7 (a-c): External fire spread and external surface finish Peak rate of heat release and total heat release	Acceptable solution based on Building code performance: CAS2/ CAS7, Clause 5.8 External cladding systems and refer table 5.5 of C/AS2.	TRS weatherboards are non-combustible as per the AS/NZ building code. The peak rate of heat release and total heat release values for TRS weatherboards are within the acceptable limits of C/AS2 (Table 5.5).

WINO LOAD GRAPHS:



Load-span graphs for 0.55 mm thick, G300 grade steel TRS-Weather Boards