

## Product Technical Statement

VITOR<sup>+</sup> VITOR<sup>+ZX</sup> LUX<sup>+</sup>

 The Roofing Store

# TRS 7

## PROFILE DETAILS:

TRS 7 is a trapezoidal profile which is designed for commercial and industrial roofing. The profile is suitable for low pitch roofing as well as curved roofing. Commercial and industrial roofing G550 grade steel with minimum 0.55 BMT gives more resilience to damage. TRS 7 is available in Duralume, Sandstone Grey, Gull Grey, and Titania White.

## APPLICATION

TRS 7 is ideal for use on new homes and commercial buildings, and existing buildings as roofing system.

## GENERAL

Minimum Roof Pitch: 3 Degree

Effective Cover: 890 mm

Overall Width: 934 mm

## SPANS

End Span: 0.40/0.55 BMT: 1400 mm/1100 mm

Internal: G550/0.55 BMT: 1700 mm/2700 mm

## FIXINGS

### TIMBER

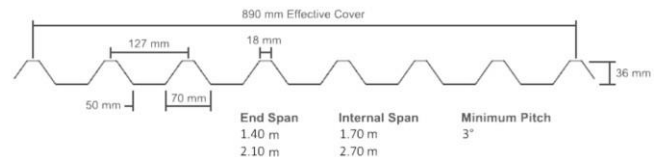
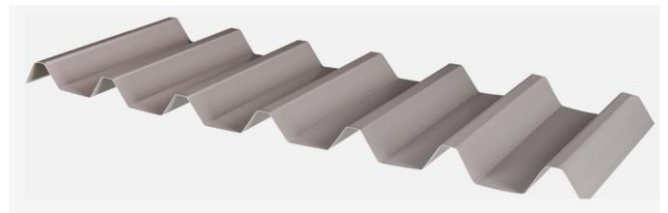
Class 4 14 x 75mm with neo washer and embossed washer, approved profile's metal washer and EDDM washer.

### TIMBER

12 x 65mm with neo washer and embossed washer, approved profile's metal washer and EDDM washer.

## ACCESSORIES

Flashing up to 8 meters, Pipe flashings, Rivets, Underlays, Netting and Sealants



DATE: 23/09/2019

**Contact person:** Harinder Dhaliwal

**Position:** Building Estimator

**Phone no:** 0800-277-271

## Further information:

For technical information, please contact [harinderd@theroofingstore.co.nz](mailto:harinderd@theroofingstore.co.nz)

For sales and all other information, please contact [info@theroofingstore.co.nz](mailto:info@theroofingstore.co.nz)

## DESIGN STANDARDS

This Product Technical Statement covers the use of TRS 7 as wall or roof 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.

## Product Technical Statement

VITOR<sup>+</sup> VITOR<sup>+ZX</sup> LUX<sup>+</sup>

 The Roofing Store

Design standards	Basis of compliance	Remarks
B2 Durability and condensation tests Compliance with B2/AS1 and AS/NZS 2728: 2013 (Table 2.5)	<ol style="list-style-type: none"> <li>1. Steel coating's water resistance test.</li> <li>2. T-bend adhesion test.</li> <li>3. Cross hatch adhesion test.</li> </ol>	<ol style="list-style-type: none"> <li>1. Passes 500 hour's-controlled condensation.</li> <li>2. No coating removals.</li> </ol>
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.	<ol style="list-style-type: none"> <li>1. Meets the minimum wind load requirements for NZ building code.</li> <li>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.</li> </ol>
E2-External moisture	Meets the requirements of NZ building code E2/AS1.	The building designer/ Architect is ultimately responsible for details to meet the NZ Building Code. For recommended TRS 7 details, please check <a href="http://www.theroofingstore.co.nz">www.theroofingstore.co.nz</a>
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.	<p>TRS 7 roof and wall claddings are non-combustible as per the AS/NZ building code.</p> <p>The peak rate of heat release and total heat release values for TRS 7 roof and wall claddings are within the acceptable limits of C/AS2 (Table 5.5).</p>

### SCREW PATTERNS:

**Screw pattern 1:** Screw in each crest

**Screw pattern 2:** Screw in alternate crests

**Screw pattern 3:** Hit one miss two pattern crew fixings at crests

### WIND LOAD GRAPHS:

