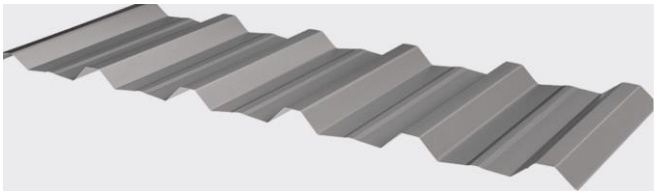
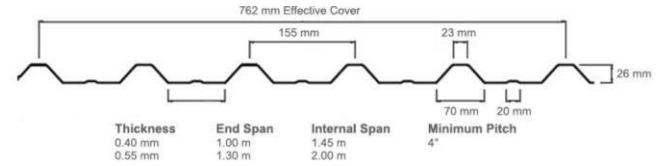
Product Technical Statement

VITOR+ VITOR+ZX LUX

The Roofing Store

TRS 6





PROFILE DETAILS:

TRS 6 is the classic, bold rib trapezoidal profile used commercially and for residential buildings. TRS 6 is high performing, attractive for both roofing and cladding. G550 grade steel with minimum 0.40mm BMT and maximum 0.55 BMT gives more resilience to damage.

APPLICATION

TRS 6 is ideal for use on new homes, and existing buildings as roofing and wall cladding system.

SPANS

End Span 0.40/0.55 BMT: 1100 mm/1300 mm

Internal Span 0.40/0.55 BMT: 1450mm/2000 mm

FIXINGS

LOW/MEDIUM WIND ZONE

Timber: class 4 12 x 65mm with neo washer and embossed washer

Steel: 12 x 55mm with neo washer and embossed washer

HIGH WIND ZONE

Timber: class 4 12 x 65mm with neo washer and embossed washer, approved profile's metal washer and EPDM washer

Steel: 12 x 65mm with neo washer and embossed washer, approved profile's metal washer and EPDM washer

WALL CLADDING FIXINGS

Cladding fixing on 20mm

Timber Battens (Please ensure compatibility as some treatments may cause a reaction)

12 Gauge class 4 screws with neo washers, miss 2 pans, miss 3 pans every second on ends.

DATE: 4/06/2021

Contact person: Harinder Dhaliwal

Position: Building Estimator

Phone no: 0800-277-271

Further information:

For technical information, please contact harinderd@theroofingtore.co.nz

For sales and all other information, please contact info@theroofingstore.co.nz

DESIGN STANDARDS

This Product Technical Statement covers the use of TRS 6 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.

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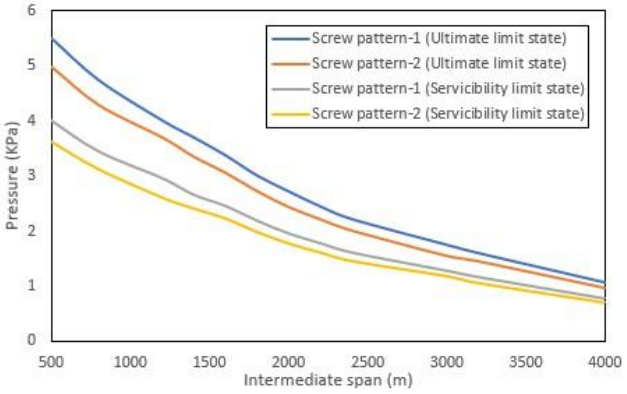
Design standards	Basis of compliance	Remarks
B2 Durability and condensation tests Compliance with B2/AS1 and AS/NZS 2728: 2013 (Table 2.5)	1. Steel coating's water resistance test. 2. T-bend adhesion test. 3. Cross hatch adhesion test. 4. Accelerated UV test. 5. Blistering.	1. Passes 500 hour's-controlled 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.	The building designer/ Architect is ultimately responsible for details to meet the NZ Building Code. For recommended TRS 6 details, please check www.theroofingstore.co.nz
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 6 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 6 roof and wall claddings are within the acceptable limits of C/AS2 (Table 5.5).

SCREW PATTERNS:

Screw pattern 1: Screw in each crest
Screw pattern 2: Screw in alternate crests

WIND LOAD GRAPHS:



Wind load-span graphs for different types of screw patterns for 0.55 mm TRS 6 profile