

## TRIS Interlocking

CLASS 1

VERSION 1.0

## PRODUCT NAME

The Roofing Store - TRS Interlocking

## PRODUCT LINE

N/A

## PRODUCT DESCRIPTION AND ITS INTENDED USE

The TRS Interlocking panels from The Roofing Store offer a seamless connection through an interlocking groove, creating a sophisticated recessed joint appearance. These panels eliminate the need for a plywood substrate, as they are securely affixed to 20 mm cavity battens using concealed mechanical fixings within the joint. This versatile system allows for installation both horizontally and vertically, ensuring a sleek finish over synthetic building wrap and 20 mm cavity battens.

## BPIS INCLUSION / EXCLUSION

This BPIS incorporates The Roofing Store TRS Interlocking 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 IDENTIFIER

TRS Interlocking

Negative joint size: 2-25 mm; Variable Pan size: 155-260 mm unsupported;

Pan size over 260 mm (not recommended) will require back support.  
We will use fire rated POLYFOAM 24 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)

## RELEVANT BUILDING CODE CLAUSES:

**B1 Structure: Performance clauses B1.3.1, B1.3.2, B1.3.3 (a, b, c, d, g, i)**

**B2 Durability: Performance clause B2.3.1 (b), B2.3.2 (b)**

**C3 Fire Affecting Areas Beyond the Fire Source: Performance clauses C3.4 (a), C3.5, C3.7 (a)**

**E2 External Moisture: Performance clauses E2.3.1, E2.3.2, E2.3.7 (a, b, c)**

**E3 Internal Moisture: Performance clauses E3.3.4, E3.3.5, E3.3.6**

**F2 Hazardous Building Materials: Performance clause F2.3.1**

**G3 Food Preparation and Prevention of Contamination: Performance clause G3.3.2 (b)**

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

B1.3.1, B1.3.2, B1.3.3 (a, b, c, d, g, h, i), B1.3.4 (a, b, c, d, e): TRS Interlocking has been tested in accordance with AS/NZS 1397:2011 and AS/NZS 1170:2002 plus wind uplift strength of interlocking claddings under static and cyclic wind loading.

B2.3.1 (b), B2.3.2 (b): TRS Interlocking is coated in accordance with AS/NZS 2728:2013 (cited in E2/AS1) which provides for profiled metal roofing and cladding solutions including the durability attributes of the building elements.

C3.4 (a), C3.7 (a): TRS Interlocking is made from steel, aluminum, stainless steel and copper which are non-combustible

E2.3.1, E2.3.2, E2.3.5, E2.3.7 (a, b, c): TRS Interlocking is generally in accordance with NZMRM Code of Practice (v3.0) & E2/AS1. Wall cladding and roof cladding system demonstrate compliance with clause E2.

E3.3.4, E3.3.5, E3.3.6: Metal is impervious. TRS Interlocking is to be installed in accordance with E3/AS1.

F2.3.1: TRS Interlocking is safe when handled in accordance with installation instructions.

G3.3.2 (b): TRS Interlocking meets the requirement of building elements and any joints in construction be impervious and easily cleaned.

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**INSTALLATION REQUIREMENTS**

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On all building uses:

Where material group 1 or greater is required. All building heights subject to the limitations of the TRS span tables. The balance of the external wall (design & construction) must comply with the relevant fire provisions of the NZ building code.

In conjunction with a primary structure (timber or steel structural framing, or over structural panels) that complies with the NZ Building Code or where the designer has established that the existing structure is suitable for the intended building work: Where installed over steel framing and where part of an insulated building, a thermal break is required.

As an external wall: Must be installed over a drained and ventilated cavity. Where installed horizontally, castellated cavity battens are required. Flashings, flexible and rigid building underlays and TRS Interlocking Panel fixings must be in accordance with E2/AS1 and/or the NZMRM Code of Practice (V3.0). Contact with other materials must be in accordance with E2/AS1 and NZMRM Code of Practice (V3.0).

Where material group 1 or greater is permitted. The panel must be earthed where a power socket is installed in the panel or wires run behind it.

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**MAINTENANCE REQUIREMENTS**

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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**

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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.

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**DESIGN REQUIREMENTS THAT WOULD SUPPORT THE USE OF THE BUILDING PRODUCT**

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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.

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**LEGAL AND TRADING NAME OF THE MANUFACTURER**

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**The Roofing Store Limited**

NZBN: 9429030587328

212a Cavendish Drive, Wiri, Auckland, New Zealand

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

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No

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**STEEL SOURCED FROM**

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

Kiwi Steel NZ Limited

12 Hautu Drive, Wiri, Auckland, 2104, NZ

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BRANCHES

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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