



## TS45 PROFIX CLADDING SYSTEM

**Profix TS45** Concealed fixed flat panel façade system is a unique aluminium vertical rail system specifically designed for use with **Trespa® Meteon®** vertical panels. **TS45** offers a greater design scope due to its 45mm cavity that can be increased up to 450mm when fixed in conjunction with special stand-off brackets. This allows flexibility when designing for either new buildings or over cladding existing façades and means **TS45** can offer an economical solution for straightening existing structures.

**TS45** is ideally suited to multi-level applications with complex design requirements, such as parapets, and can be specifically designed to achieve a rail spanning capability of up to 1.2m.

Trespa panels are configured vertically with 10mm expressed joints and creative use of colour and panel widths can enhance even the simplest façade.

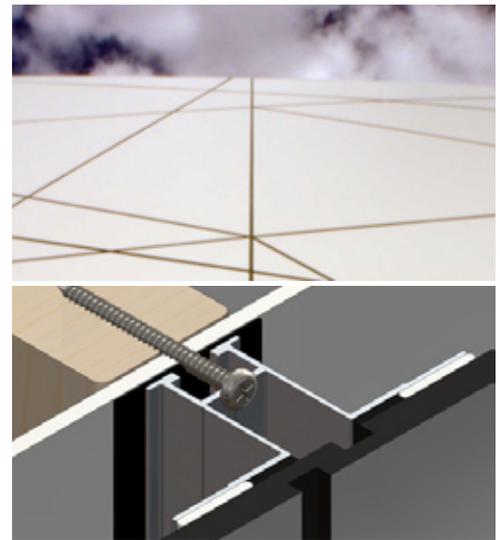
**TS45** is tested to and or compliant with the requirements of **AS/NZS 4284** and sections **B1, B2 & E2** of the NZBC.

### Scope: Where to use TS45

- Suitable for use as a multi-level residential or commercial cladding façade
- Fixed over a Rigid Air Barrier compliant with Table 23 of E2/AS1: August 201 and 3604: 2011
- Approved for use in wind zones up to 2.5 kPa ULS wind pressure or 64.5 m/s  
**Note:** For use in wind zones exceeding 2.5kPa wind pressure the system and fixings must be specified as site specific by the system suppliers
- Suitable for use in all environments including sea spray zones when powdercoated
- Suitable for use with 8.0mm or 10mm Trespa® Meteon® installed vertically in panel sizes up to 2.5m x 1.2m  
**Note:** Panel sizes exceeding those above must be specified as site specific by the system supplier
- TS45 vertical rails have a spanning capability subject to in use conditions where framing setout does not allow direct fixing

### Benefits: Why use TS45

- Warranted system that is tested to and or compliant with the requirements of NZBC sections B1 Structure, B2 Durability, E2 External Moisture and AS/NZS 4284: 1995 respectively
- Trespa® Meteon® is a core cured homogenous HPL façade panel that is manufactured using Trespa's unique EBC curing process and offers an extensive colour range
- Trespa® Meteon® is a prefinished panel that is graffiti resistant and offers exceptional impact resistance and delamination strength
- Trespa® Meteon® has high UV resistance and colour stability with a 4-5 classification on the International Grey Scale (ISO 105 A02) for most colours





- TS45 provides greater ventilation over multiple levels increasing the stability of the façade
- For use with 8mm or 10mm Trespa® Meteon® panels
- Profix TS45 rail system is durable, lightweight and fixed vertically over continuous framing
- Trespa panels and Profix fixing systems offer minimal maintenance and exceptional through life performance can be expected
- TS45 rails have a spanning capacity between horizontal support structure of up to 1.2m with specific design reducing the need for vertical framing
- TS45 system can be used in conjunction with special standoff brackets fixed to either timber or metal framing to increase the cavity width up to 450mm. This can create an economical solution to straightening existing structures or add design flexibility and features to the cladding facade
- The Sika Tack adhesive system offers concealed fixing giving a clean, flat and straighter finish to the façade
- Exposed mechanical fixings such as rivets or wafer head stainless steel screws, colour matched to the panel, can be used as an alternative to adhesive fixing
- Suitable for use as a cladding solution on new buildings and facade upgrades
- Supply and installation carried out by Approved Installers only

**Compliance: Within the New Zealand Market Place**

- All TS45 compliance documentation supplied from the system supplier as site specific
- Trespa® Meteon® Grey Scale Rating (Florida cycle) of 4-5
- Trespa® Meteon® Product Guarantee 10 yrs
- Workmanship Warranty of 2 years