

# StrataFix IFP

Fixing point for structural connection to building substrate

## Product overview

The StrataFix IFP is a unique fixing point that establishes a structural link to the building substrate while safeguarding the waterproofing membrane's integrity. It's compatible with various roof constructions, including cold, warm, SIPS, and fully supported membrane systems. It proves invaluable for applications where a secure connection to the building structure is essential, such as Solar PV panels, Solar thermal installations, Rainscreen systems, Façades, Cladding applications, Roof Plant support, and roof-mounted signage. Furthermore, the StrataFix IFP is suitable for use in flat, pitched, and vertical applications.

## Compatibility

StrataFix IFP can be modified to be used with all membrane types including, single ply membranes, EPDM rubber, Bituminous Felt and Liquid roof systems.

## Application Guideline

The StrataFix IFP is adaptable to various membrane-covered roofs. It's the installer's duty to verify the substrate's structural integrity for load-bearing capacity. Secure the StrataFix IFP to the structure with 6 or 8 appropriate direct or thermally isolated fasteners based on required uplift resistance values. After installation, seal the factory-fitted membrane flange to the field roof membrane per standard procedures or manufacturer guidelines. Ensuring a waterproof seal at the lap joint is the installer's responsibility.

For securing framework to the StrataFix IFP, employ an M10 bolt of adequate length, aligning with the product's intended applications. Utilise thread locking adhesive or a locking washer to prevent potential loosening. Tighten M10 bolts atop the StrataFix IFP to 57.3 Nm as per installation instructions.

Note that this product is not to be used with Balustrade or any product that has a non-axial load applied.

## Materials

The StrataFix IFP has made up of 3 main components;

- Pressed 2mm steel plate with polyester powder coating
- Membrane flange to suit field membrane system
- 304 grade stainless steel connection point with 1no. M10 x 20mm female thread

## Technical characteristics

Properties	Declared performance
Weight	Approx. 2.7 kg
Fixing plate dimension	250mm x 250mm x 2mm
Fixing holes dimension	8no. 8mm Ø for direct fixing method, 8no. 15mm Ø for thermally broken fixing methods
Anchor point dimension	1no. M10 x 20mm female blind thread hole
OA height	25mm
Single ply & EPDM membrane size required	450mm x 450mm
Bituminous felt membrane size required	550mm x 550mm

## Environmental considerations

StrataFix IFP can be disposed of in accordance with local regulations. The clean waste material can be recycled. Any contaminated waste must be disposed of in accordance with local regulations.

## Further information

The information contained in this datasheet, along with any advice provided (either written or verbal) through testing are based on our experience and do not constitute any product guarantee for the installer.

We recommend that all of the information provided is carefully studied before proceeding with application, and strongly advise that suitable tests are carried out on site before application in order to determine the suitability and compatibility for the specific project.

The application, use and processing of our products are beyond our control, and therefore under the exclusive responsibility of the installer. As a result, the installer will be solely responsible for any damage derived from the partial or complete disregard of our guidance or the general mis-use of any of our materials.

# PRODUCT DATA SHEET

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## Load ratings

StrataFix IFP	Substrate material	Fixing method	Fixing Specification	Compressive load rating 'A'	Shear loading 'B'	Tensile load rating 'C'
Cold roof or fully supported membrane	18mm Plywood to EN363	8 x Direct	SF-RS-5.8 - min. length 40mm	5kN	2.5kN	5.0kN
Cold roof or fully supported membrane	18mm OSB/3 to EN363	8 x Direct	SF-RS-5.8 - min. length 40mm	5kN	2.5kN	4.2kN
Cold roof or fully supported membrane	New concrete substrate C25/30 min. 100mm depth	8 x Direct	SF-RS-6.1 - min. embedment 30mm	5kN	2.5kN	5.0kN
Cold roof or fully supported membrane	Softwood C16 or CLT min. depth 50mm	8 x Direct	SF-RS-6.1 - min. embedment 40mm	5kN	2.5kN	5.0kN
Warm roof	Rigid PIR insulation on 18mm plywood to EN363 or 18mm OSB3 to EN300	8 x Thermally broken	ST-T-50 to suit insulation depth + SFRS-5.8 - min. 12mm to underside of substrate board	Assume min. static load rating 30kPa insulation - 1.8kN	Assumes rigid PIR insulation 2.5kN	4.1kN
Warm roof	Rigid PIR insulation on new C25/30 concrete substrate min. 100mm depth	8 x Thermally broken	ST-T-50 to suit insulation depth + SFRS-6.1 - 30mm embedment	Assume min. static load rating 30kPa insulation - 1.8kN	Assumes rigid PIR insulation 2.5kN	4.1kN
Warm roof	Rigid PIR insulation on min. 0.7mm steel trapezoidal substrate	8 x Thermally broken	ST-T-50 to suit insulation depth + SFRS-5.8 - min. 15mm to underside of steel	Assume min. static load rating 30kPa insulation - 1.8kN	Assumes rigid PIR insulation 2.5kN	4.1kN
Warm roof	Rigid PIR insulation on min. 0.7mm steel trapezoidal substrate	6 x Thermally broken	ST-T-50 to suit insulation depth + SFRS-5.8 - min. 15mm to underside of steel	Assume min. static load rating 30kPa insulation - 1.8kN	Assumes rigid PIR insulation 1.8kN	3.1kN
Kingspan KS1000TD Top deck panel	Rigid insulation on 0.5mm steel inner profiled skin	8 x Thermally broken	ST-T-50 to suit insulation depth + SFRS-5.8 - min. 15mm to underside of steel	Assume min. static load rating 30kPa insulation - 1.8kN - Subject to roof structure TBC	N/A	1.9kN

### Notes.

1. Load values calculated on specified fixing and allow a safety factor of three on combined characteristic pullout values.
2. Axial loads only - not suitable for non-axial applications or any load resulting in rotational forces.
3. It is the purchasers or specifiers responsibility to check that the insulation will bear any compressive load without compression. Seek insulation manufacturers advice if in doubt.
4. Shear values for warm roof applications assume 150mm insulation & using 8no. thermally broken fixings.
5. Compressive load values for mineral wool insulation to be checked on a per project basis.
6. On-site testing may be required for existing concrete roof structures.

## Health & Safety

Health and Safety should be observed at all times in accordance with HSE and industry guidance. Specific Risk Assessments and Method Statements should be produced by contractors where necessary to ensure Working at Heights, Fire Safety and Manual Handling rules are compliant with current law and regulations.

StrataFix IFP does not constitute a hazard under the COSHH Regulations under normal conditions of use. A material safety datasheet is available for this product upon request.