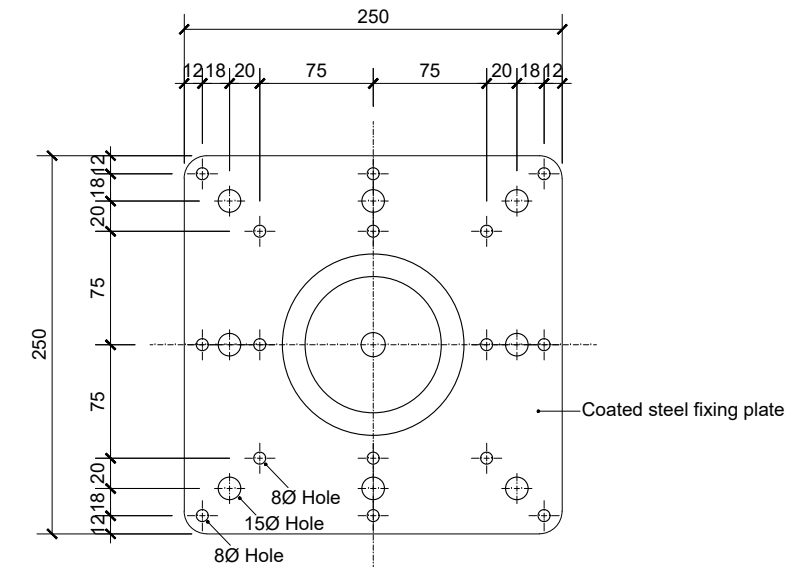
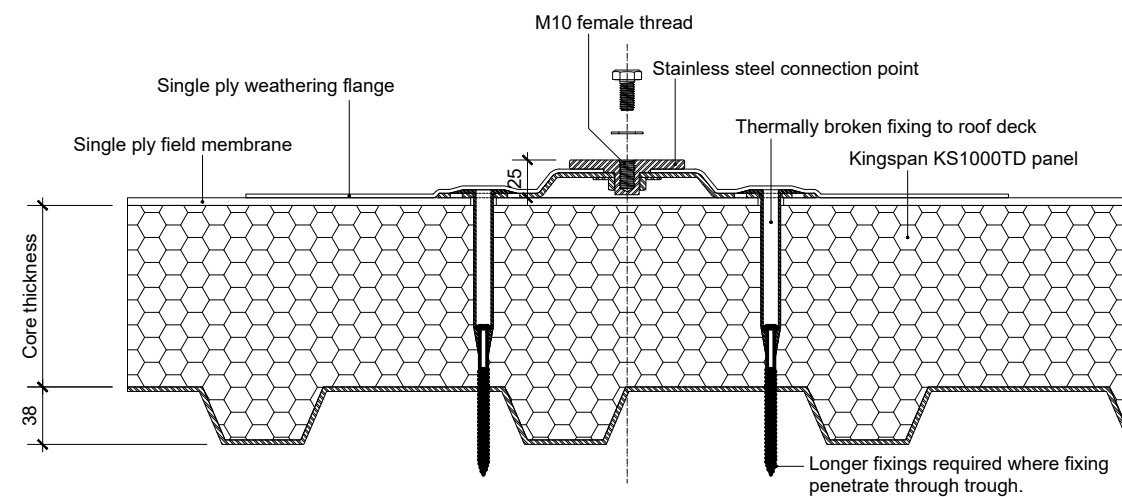


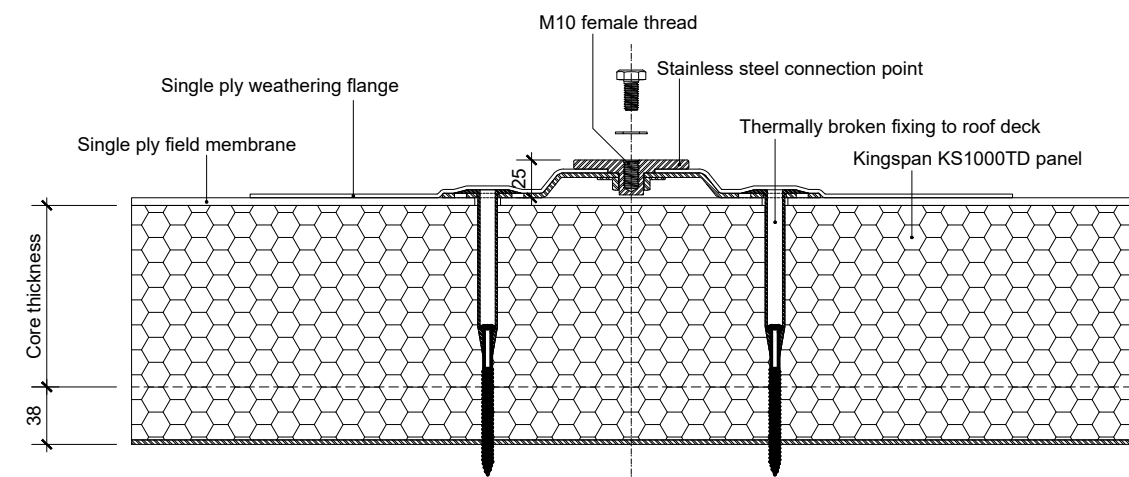
ROOFTRAK IFP-250 - PLAN VIEW INCLUDING MEMBRANE



ROOFTRAK IFP-250 FIXING PLATE DIMENSIONS - PLAN VIEW



ROOFTRAK IFP-250 ON WARM ROOF - SECTION VIEW



ROOFTRAK IFP-250 ON WARM ROOF - CROSS SECTION VIEW

The IFP is protected by European Patent 2855794 and US Patent 9637917



ROOFTRAK IFP-250

The ROOFTRAK IFP-250 is a unique patent protected fixing point which provides a structural connection to the building substrate whilst maintaining the integrity of the weathering membrane.

Uses

The IFP-250 is designed for with Kingspan KS1000TD roof constructions and can be used for applications where a connection to the building structure is required. This would include uses such as solar PV, solar thermal, rainscreen façade, cladding, roof plant supports and roof mounted signage.

Not for Use with

Balustrade or any use which has a non-axial load applied

Materials

- The ROOFTRAK IFP comprises 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

These components are always supplied as a factory assembled product. Tampering or adjustment to the factory finished unit will invalidate the warranty.

Fixings

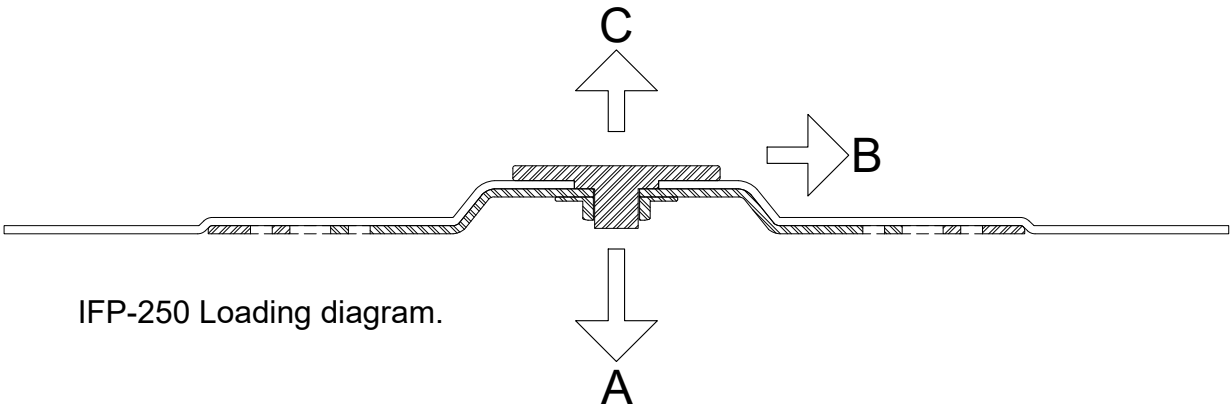
The ROOFTRAK IFP is fixed to the Kingspan KS1000TD panels using appropriate fixings.

Dimensions

- | | |
|------------------------|--|
| Fixing plate | 250mm x 250mm x 2mm |
| Fixing holes | 8 no 8mm Ø |
| Anchor points | 1 no M10 x 20mm female blind threaded hole |
| OA height | 25mm |
| Membrane size required | |
| • single ply | 500mm x 500mm |

Weight

Approx 1.6 kg



IFP-250 Loading diagram.

Load ratings.

Rooftrak integrated fixing point for use with Kingspan KS1000TD membrane faced panel. Nicholson does not undertake any design or structural responsibility for loadings that may be imposed on the roof structure or roof panels through connecting service media using the Rooftrak-IFP. Any such installation should be evaluated by a structural engineer. A site pull out test to validate fixing pull out test may be required.

IFP-250	Substrate Material	Fixing Method	Fixing Specification	Compressive load rating 'A'	Shear loading 'B'	Tensile load rating 'C'
Kingspan KS1000TD Topdeck panel	Rigid insulation on 0.5mm steel inner profiled skin	8 x Thermally broken	ST-T-50 to suit insulation depth + SF-RS-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 on combined characteristic pullout.
 2. Axial loads only - not suitable for non-axial applications.
 3. It is the puchasers or specifiers responsibility to check that the insulation will bear any compressive load without compression. Seek insulation manufacurers advice if in doubt.
 4. Shear values for warm roof applications assume 200mm insulation & using 8N°. 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.

The IFP is protected by European Patent 2855794 and US Patent 9637917



Tel 0845 0098 980
Email info@nicholsonsts.com
Web www.nicholsonsts.com

Drawing title:
IFP-250 - Technical Data Sheet

Scale:
N/A