November 2025

PRODUCT DATA SHEET

Viking RoofTrak

Version: 1.1

Introduction:

This Data Sheet is to serve as a reference guide for Viking Roofspec Licensed Installers who are familiar with Viking Roofspec's systems and are responsible for Viking roof system installation.

The Viking RoofTrak mounting plate offers a secure attachment to the structure through the waterproofing layer, delivering a fully waterproof and warrantied* fixing point for solar panels, rainscreen cladding, decking supports, signage, and walkway systems such as Monkey Toe. This proprietary solution simplifies specification while ensuring long-term integrity around fixing penetration points.

***The RoofTrak should not be dismantled, adjusted or any attempt made to change the membrane flange. Breaking the fixing assembly seal of the unit will invalidate the warranty.**

Features and Benefits

- Helps eliminate leaks at fixing interface details: By addressing potential weak points, the system ensures a more secure and leak-free installation.
- Reduced roof loading and extra structural support: The system is designed to minimise the additional weight on the roof, providing extra strength where needed.
- Simple to specify: Streamlined design and comprehensive guidelines make it easier for installers to specify the correct solution.
- Future proof: Engineered with longevity in mind, ensuring compatibility with future technologies and requirements.
- Sustainable solution: Provides a robust mounting solution for roof top solar systems.
- Helps optimise building performance: Enhances water tightness and reduces thermal transfer, leading to better energy efficiency and overall building performance.
- Installed with Viking HP-X fasteners and Viking Insulated Plugs for cold and warmroof systems.

Properties

Product Code	Description	Dimensions	Membrane Type
NRT001	Anchor for Mounting Plant (Pre-applied Membrane Flange)	250mm x 250mm x 25mm Heigh	Enviroclad
NRT002	Anchor for Mounting Plant (Pre-applied Membrane Flange)	250mm x 250mm x 25mm Heigh	Torch-On
VWR001, VWR002, VWR003	Viking HP-X Ply / Steel Tray Fasteners	50mm length 76mm length 100mm length	
STP225 STP227 STP228 STP228a STP229	Viking Insulated Plugs	65mm length 76mm length 105mm length 195mm length 275mm length	
VWR007 VWR008 VRR009	Viking HP-X Concrete Fasteners	50mm length 65mm length 100mm length	

Dimensions	Details
Height	25mm
Base plate	250mm x 250mm
Fixing holes	12no. 7mm Ø for direct fixings
	8no. 14mm Ø for thermally broken fixings
Membrane Flange	Enviroclad 450mm x 450mm
	Bitumen 550mm x 550mm

Installation

Surface Preparation

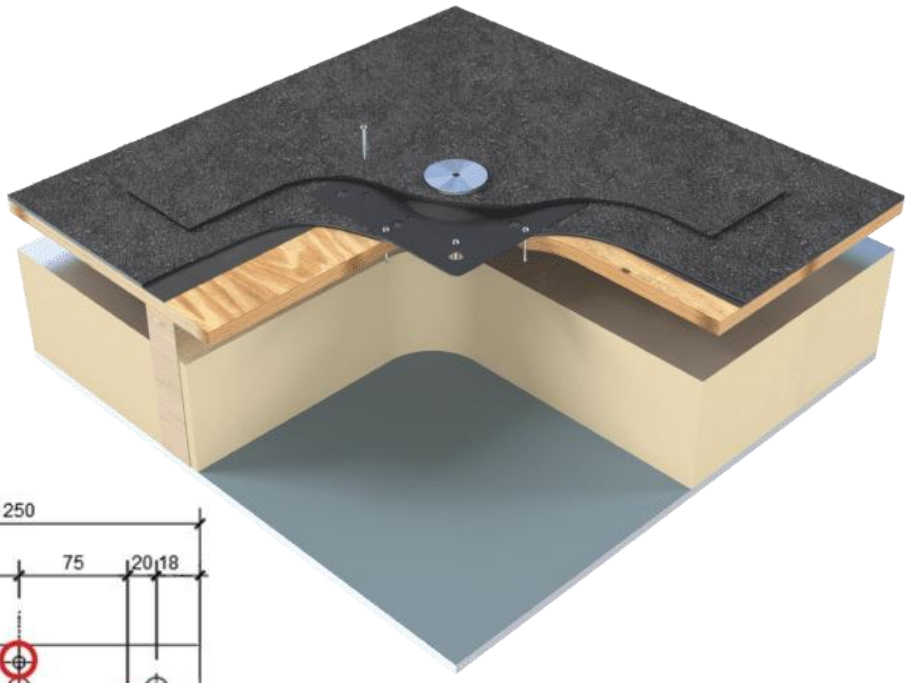
- The specified Viking Roofspec Membrane system is installed as per manufacturers install guides and best practise guidelines.
- Clean the roof area and ensure that all debris and loose materials are removed.
- Mark out all areas and locations where the Viking RoofTrak will be installed.

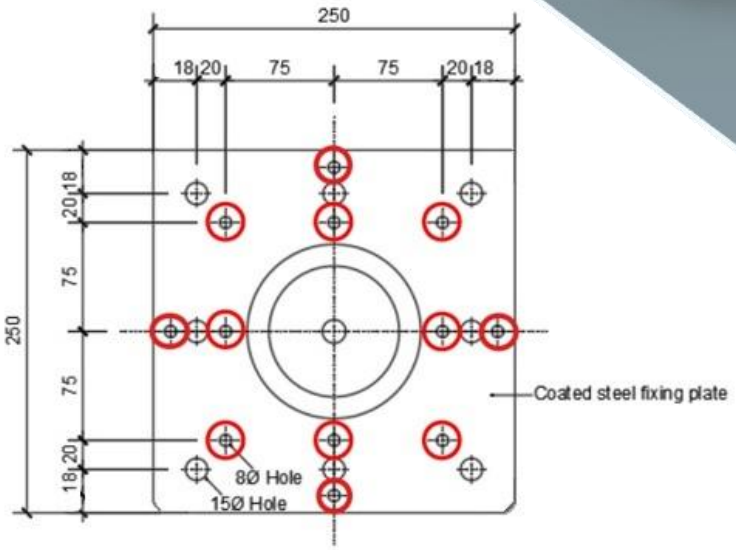
Cold Roof

The RoofTrak system can be installed on conventional Viking cold roof assemblies, of either Enviroclad or Two layer Torch-On.

Steps for Installation:

1. Position the RoofTrak unit on the roof at the desired location.
2. Ensure that the RoofTrak products are placed in areas of the roof that allow for proper drainage. Avoid locations where ponding water might occur.
3. When installing multiple RoofTrak units, check and align them properly before fixing them in place.
4. Once positioned, fold back the membrane flange to reveal the fixing plate.
5. Secure the RoofTrak to the roof substrate board using the specified Viking HP-X fixings. **Employ the direct fixing method, ensuring 8 fixing points are evenly distributed around the plate.** Refer to the load table for tensile resistance values.
6. Seal the membrane flange to the field membrane according to the manufacturer's instructions and good practice guidelines. Note that all Viking Roofspec roof systems require a Viking Approved Applicator to ensure a waterproof seal.
7. Ensure that the threaded receptor on the RoofTrak remains clean and free from debris until further attachments are made.

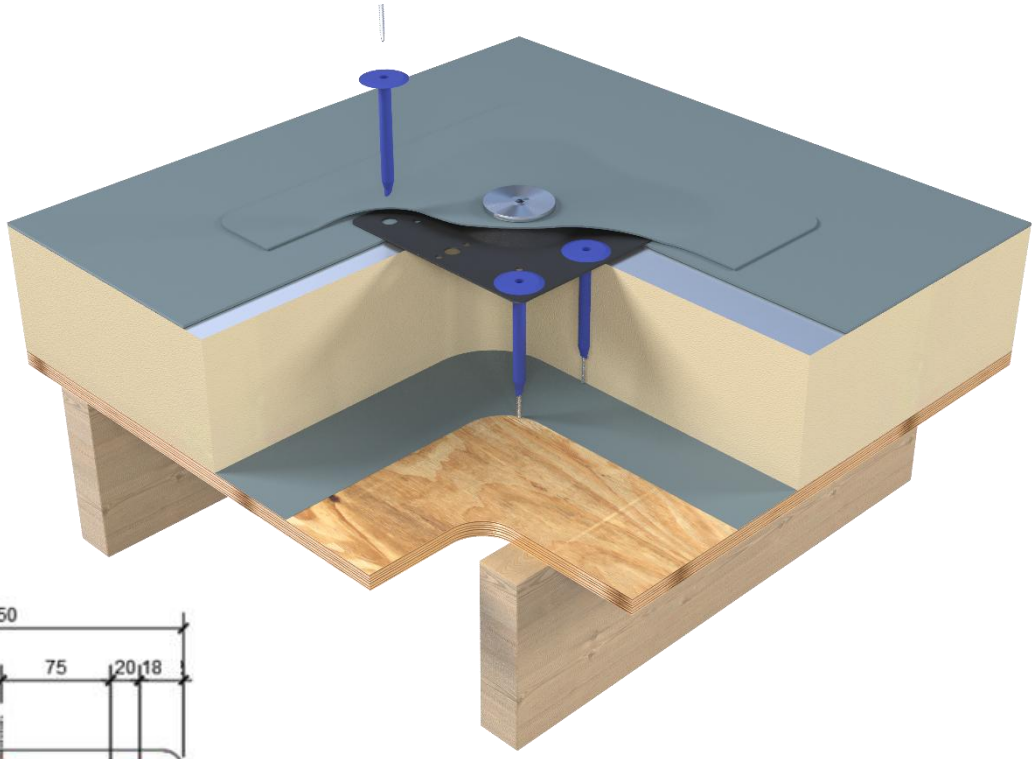


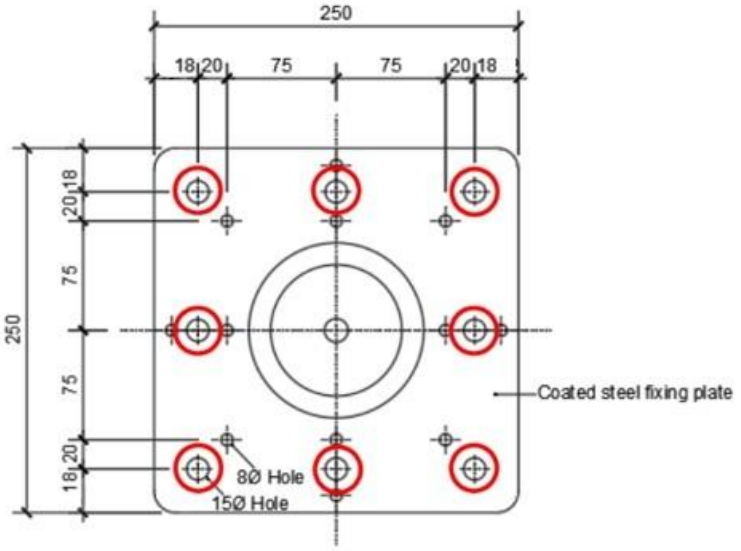


WarmRoof / WarmSpan

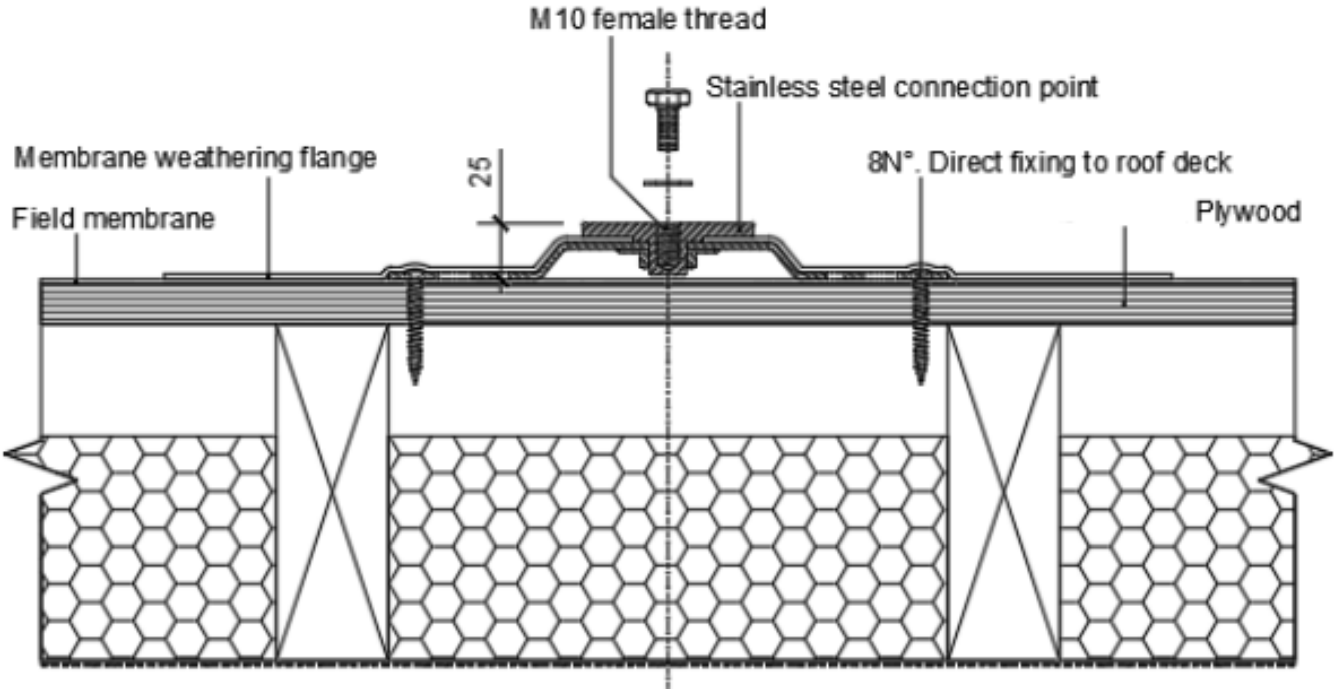
The RoofTrak can be fitted to a Viking WarmRoof or WarmSpan System where the membrane is laid over rigid insulation panel P.I.R. Please follow the steps below to ensure correct installation:

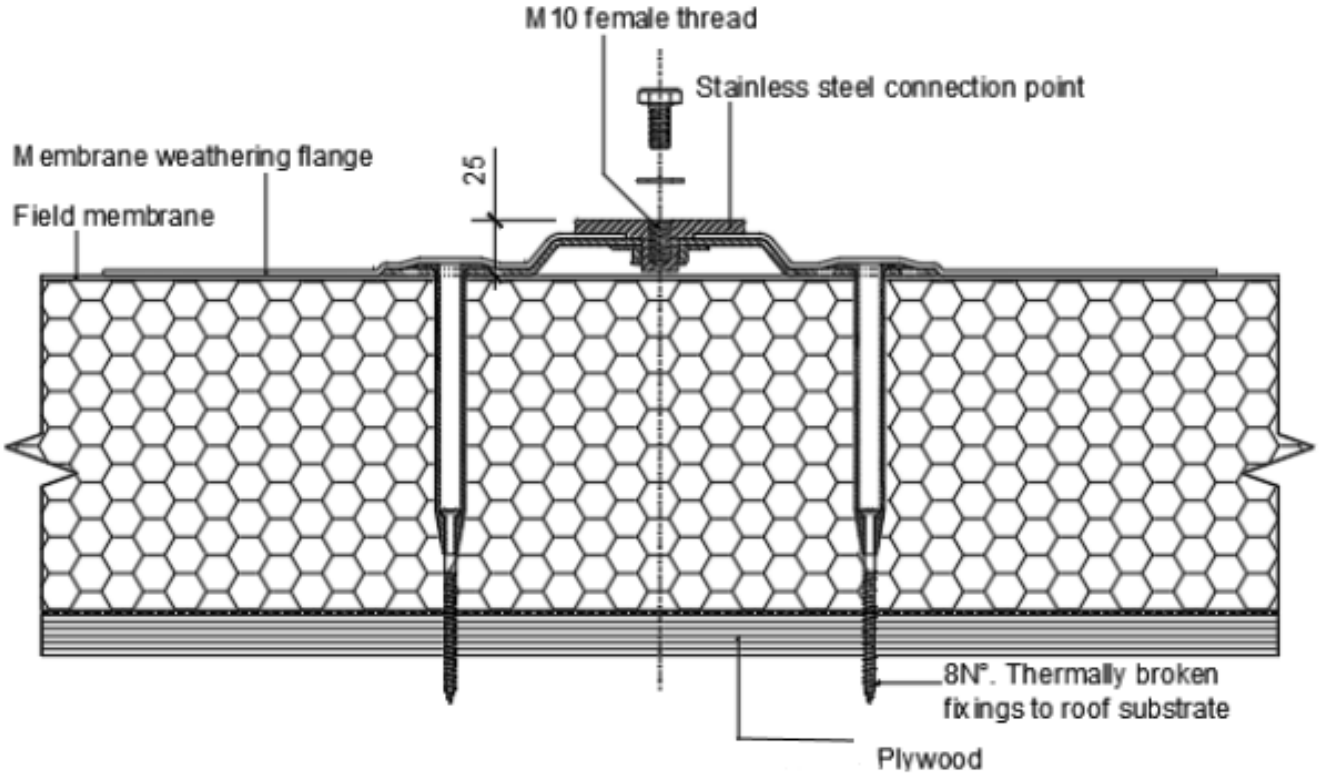
1. Position the RoofTrak unit on the roof at the desired location.
2. Ensure that the RoofTrak products are placed in areas of the roof that allow for proper drainage. Avoid locations where ponding water might occur.
3. When installing multiple RoofTrak units, check and align them properly before fixing them in place.
4. Once positioned, fold back the membrane flange to reveal the fixing plate.
5. Installing the Unit: Use the specified Viking HP-X fixings to secure the Viking RoofTrak to the specified roof system build up (Viking WarmRoof or WarmSpan). The thermally broken fixing method should normally be used. **Utilise all 8 fixing points evenly distributed around the plate.** When using thermally broken fixings, ensure the fixing head does not pull through the bottom of the tube washer. Use a low torque setting and incrementally increase it so that the tube washer pulls tight without damage. If the fixing pulls through the tube washer, replace the washer and insert a new fixing.
6. Seal the membrane flange to the field membrane according to the manufacturer's instructions and good practice guidelines. Note that all Viking Roofspec roof systems require a Viking Approved Applicator to ensure a waterproof seal.
7. Ensure that the threaded receptor on the RoofTrak remains clean and free from debris until further attachments are installed.

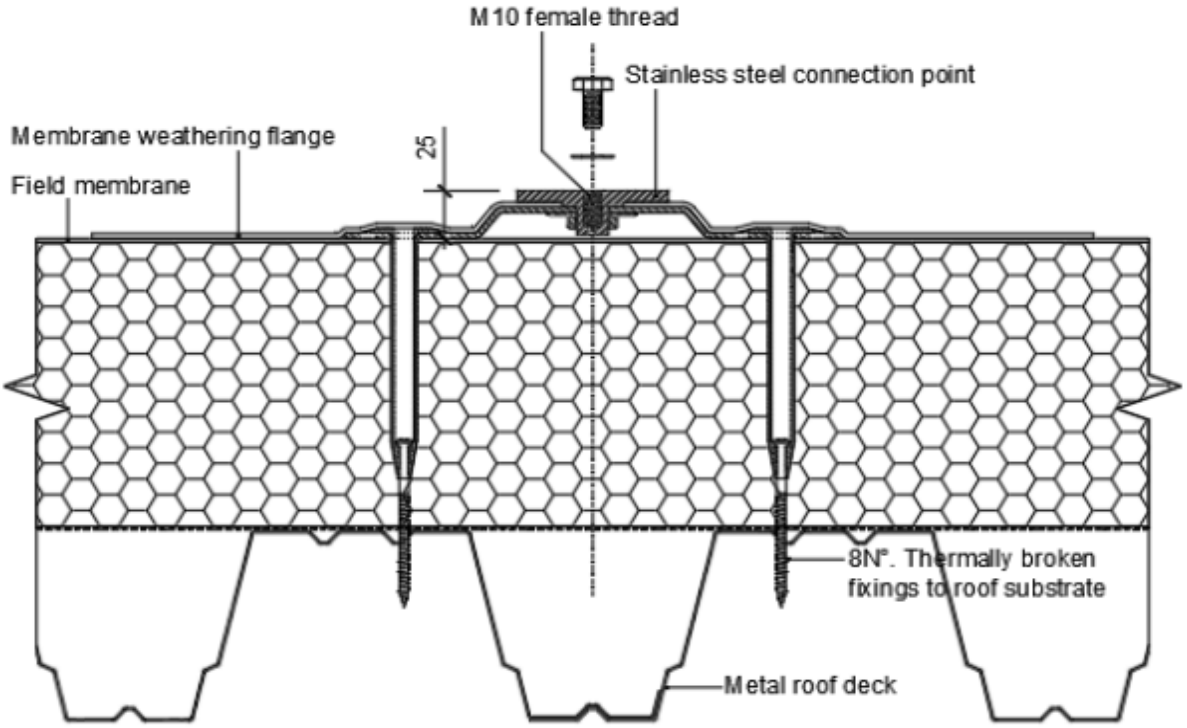


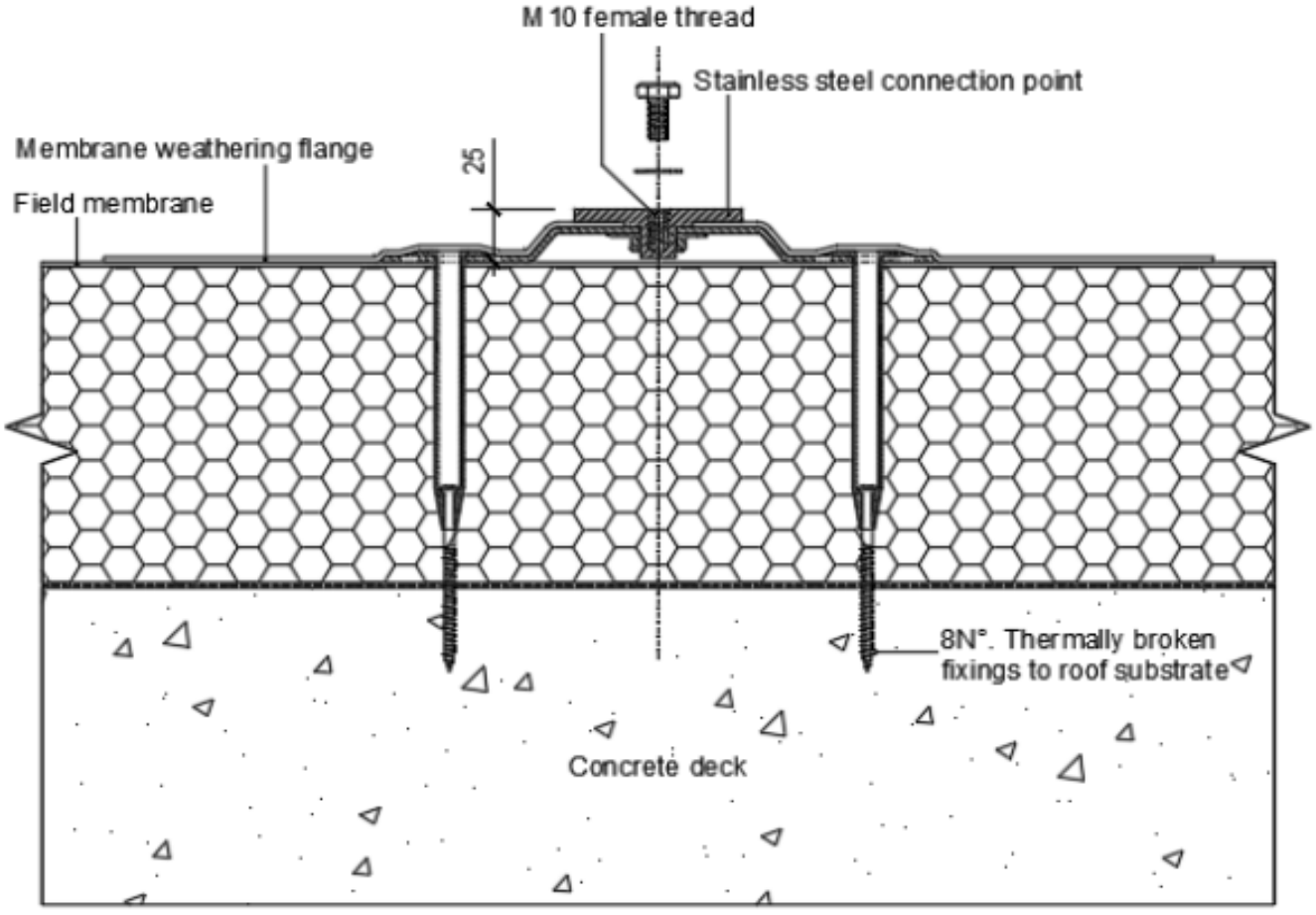


Different Membrane Roof Assembly with Viking RoofTrak

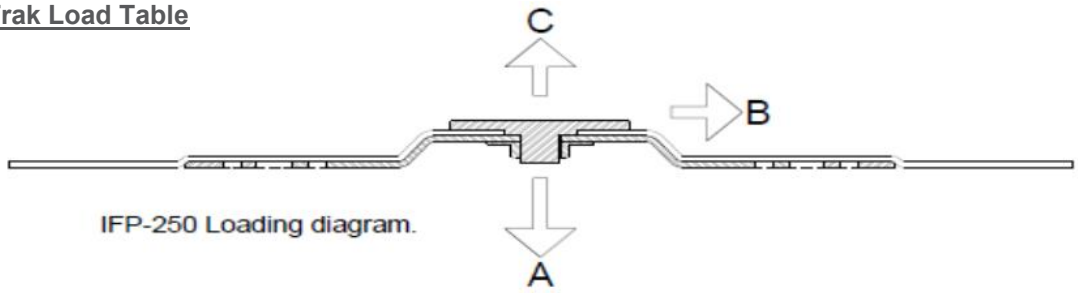





M10 female thread
Stainless steel connection point
Membrane weathering flange
Field membrane
25
8N°. Thermally broken fixings to roof substrate
Metal roof deck


M10 female thread
Stainless steel connection point
Membrane weathering flange
Field membrane
25
8N°. Thermally broken fixings to roof substrate
Concrete deck

RoofTrak Load Table



IFP-250 Loading diagram.

ROOFTRAK IFP-250 - Load Ratings

IFP-250	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. length 35mm	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 35mm	5kN	2.5kN	5.0kN
Warm Roof	Max. 200mm Rigid PIR insulation on 18mm plywood to EN363 or 18mm OSB3 to EN300	8 x Thermally broken	ST-T-50 + SF-RS-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	Max. 200mm Rigid PIR insulation on new concrete substrate	8 x Thermally broken	ST-T-50 + SF-RS-6.1 35mm embedment	Assume min. static load rating 30kPa insulation - 1.8kN	Assumes rigid PIR insulation 2.5kN	4.1kN
Warm Roof	Max. 200mm Rigid PIR insulation on min. 0.7mm steel trapezoidal substrate	8 x Thermally broken	ST-T-50 + SF-RS-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	Max. 200mm Rigid PIR insulation on min. 0.7mm steel trapezoidal substrate	6 x Thermally broken	ST-T-50 + SF-RS-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

Notes

1. Load values calculated on specified fixing and allow a safety factor on combined characteristic pullout.
2. Axial loads only - not suitable for non-axial applications.
3. Check insulation compressive capacity before use.
4. Shear values assume 200mm insulation and 8 thermally broken fixings.
5. PIR insulation values to be checked on a project basis.
6. On-site testing may be required for existing concrete roof structures.

Precautions

- **The Viking RoofTrak should not be used to secure or support non axial loads such as, but not limited to, handrail balustrade or privacy screens anchor points for static lines**.
- Installation should be performed on a clean and dry substrate.
- Verify that all fixings and materials are compatible with the roof system being used.
- Ensure that all safety precautions are followed during the installation process.
- Where mineral insulation is used on a warm roof, it is the specifiers/installers responsibility to ensure that compression of the insulation does not occur at installation or and will not occur the long term under load.
- Units should be checked prior to installation for any defect. Defects should be notified to Viking Roofspec before installation occurs.
- **The RoofTrak should not be dismantled, adjusted or any attempt made to change the membrane flange. Breaking the fixing assembly seal of the unit will invalidate the warranty.**