

The Axter Universal Fixing Point with Extended Post for Hot Melt Waterproofing (UFP-EP-HM) is a member of the Universal Fixing Point family providing an insulated, thermally broken fixing point for hot melt roofing applications.

Uses

The UFP-EP-HM is designed as a fixing point for use with Axter's Wilotekt-Plus hot melt waterproofing system and can be used in applications where a connection to the building structure is required.

This would include uses such as:

- Solar PV.
- Solar thermal.
- Rainscreen facsade.
- Roof plant supports.
- Roof mounted signage.

Compatibility

The UFP-EP-HM is designed for use on concrete roof constructions that are weathered with hot melt systems and use pitch pockets for sealing penetrations.

MATERIALS	
304 stainless steel anchor point	Machined finish
Mild steel fixing plate and post upstand	Galvanised finish
Internal insulation	PIR
DIMENSIONS	
Baseplate	250mm x 250mm x 6mm
Post	76mm Dia.
OA Height	Variable to suit the roof build up
Max. height	900mm
Single connection point	M10 x 20mm

UFP-EP-HM loading values

The following values assume that the supporting structure is adequate to support the design values that will be imposed on the UFP-EP-HM.

Compressive Load as 'A'

The maximum compressive load as 'A' 5kN

Shear loading as 'B'

The maximum shear load at 'B' will be determined by structural calculations, but will not exceed.

Up to 350mm high - 2.5kN

350-600mm high - 1.5kN

600-900mm high - 1.0kN

Tensile Load as 'C'

The available tensile load as 'C' will depend on the fixings used and the substrate they are fixed into but should not exceed the maximum value of 5kN.

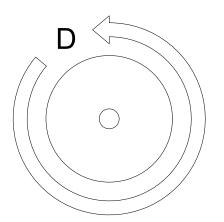
We recommend on-site pullout tests to determine pull out values where the substrate is concrete or an existing roof.

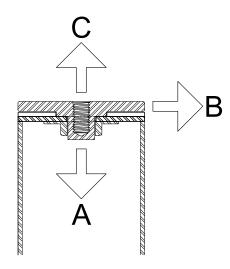
Rotational as 'D'

Configuration of the UFP-EP-HM should be such that turning motion is not exerted on individual fixing points.

IMPORTANT NOTE:

It is the responsibility of the designer/specifier/purchaser to ensure that the intended use of the UFP-EP-HM in any given application is approved by a competent structural engineer.





Loading diagram

02

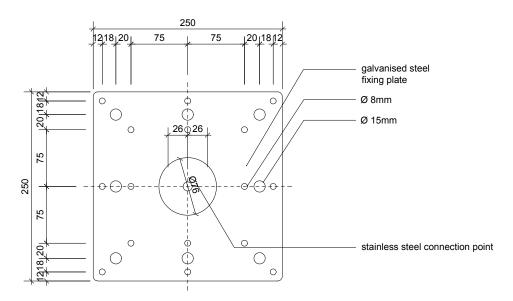
Installations

The Axter UFP-EP-HM is designed to be installed on roofs where hot-melt waterproofing systems will be used. The UFP-EP-HM unit is ideally fitted to a flat structural surface. Surface preparation of the roof substrate should be completed prior to the installation commencing. Fixings to the substrate should be completed using 8no. fixing opportunities using fixings suitable to the roof construction.

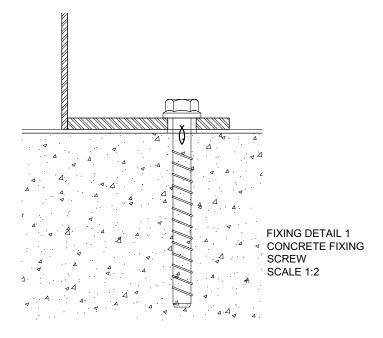
The UFP-EP-HM should be of sufficient height to extend past the top of the insulation layer and any additional ballast, paving or green roofing layers by a minimum of 50mm.

Waterproofing the unit will be completed using a pitch pocket detail according to the manufacturers guidelines.

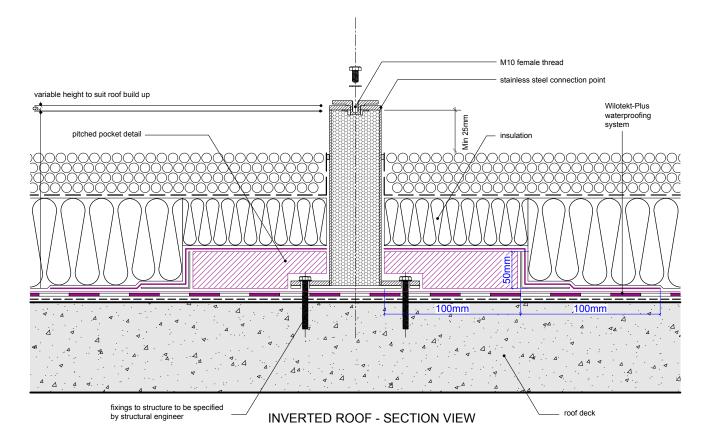
M10 bolts of a suitable length can be used to secure the balustrade system to the UFP-EP-HM. A suitable connection bracket or plate may be required. The bolts should be installed with a suitable thread locking adhesive or locking washer to stop potential loosening over time. M10 bolts to the top of the UFP-EP-HM should be tightened to 57.3Nm.

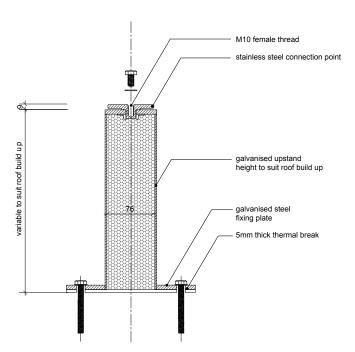


FIXING PLATE DIMENSIONS - PLAN VIEW









FIXING UPSTAND DIMENSIONS - SECTION VIEW

Axter Ltd reserves the right to modify and update this data at any time without prior notice. Only the latest version of this document is valid, available for download at www.axter.co.uk/downloads. Once downloaded, documents are uncontrolled. Users should always confirm they are referring to the latest version prior to use. Further assistance is available from Axter Ltd's Technical Support Team, email: technical@axterttd.co.uk, telephone: 01473 935008.

The intended use of this product should be verified with Axter Ltd prior to adoption to ensure its suitability and compliance with specifications, project requirements, industry regulations, legislation, good practice, installation techniques and all other relevant guidance. Axter Ltd accepts no liability for non-compliant use of this product.