

# Technical Data Sheet

## UNIVERSAL FIXING POINT WITH EXTENDED POST

For Hot Melt Waterproofing

**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 facade.
- 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.

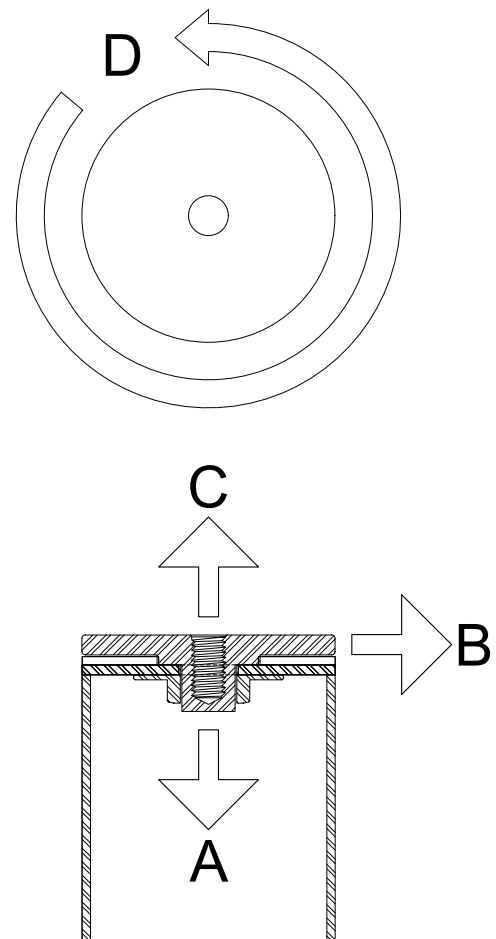
We recommend on-site pullout tests to determine pull out values where the substrate is concrete or an existing roof.

#### Rotational as 'D'

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

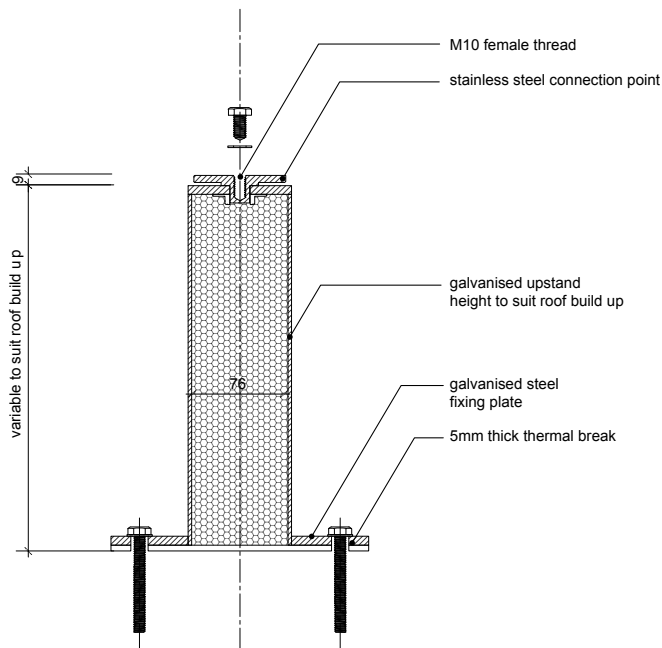
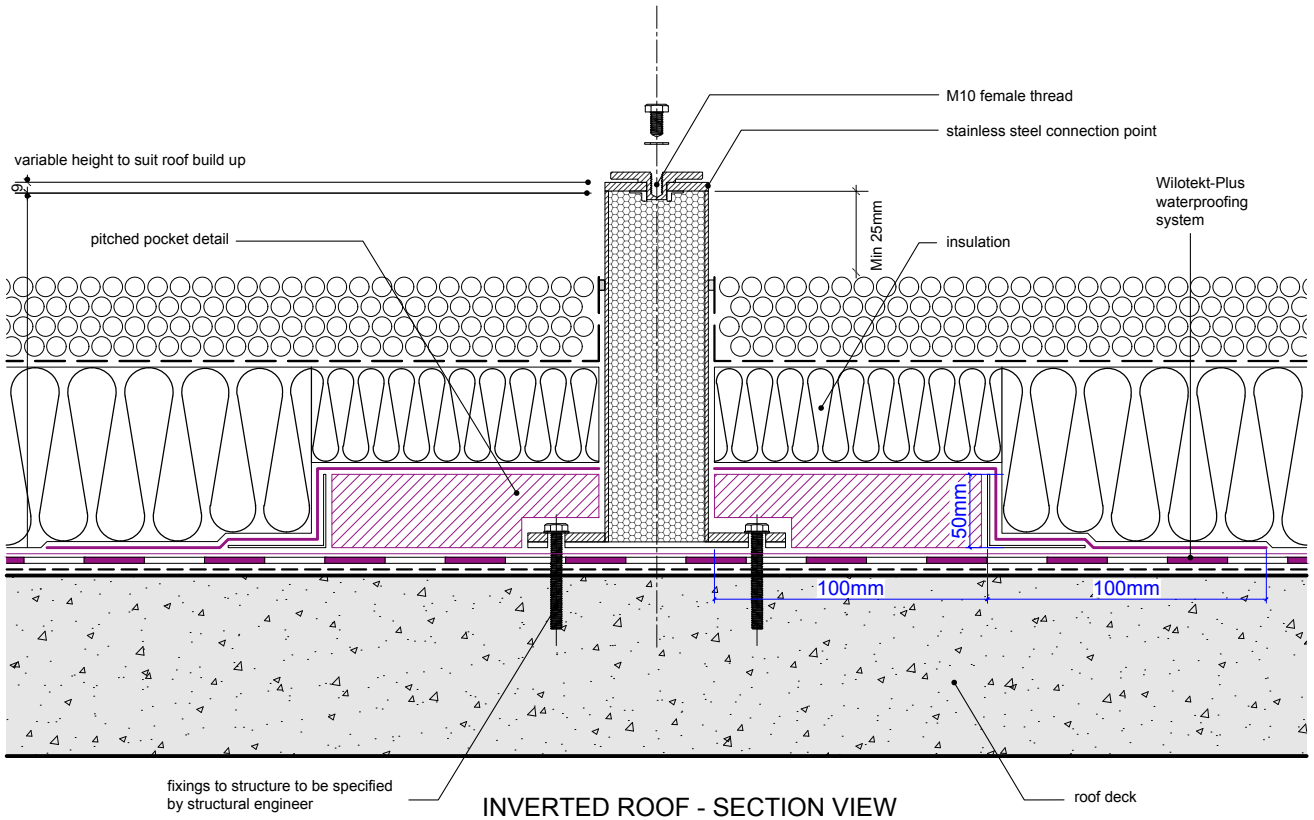
#### IMPORTANT NOTE:

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





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