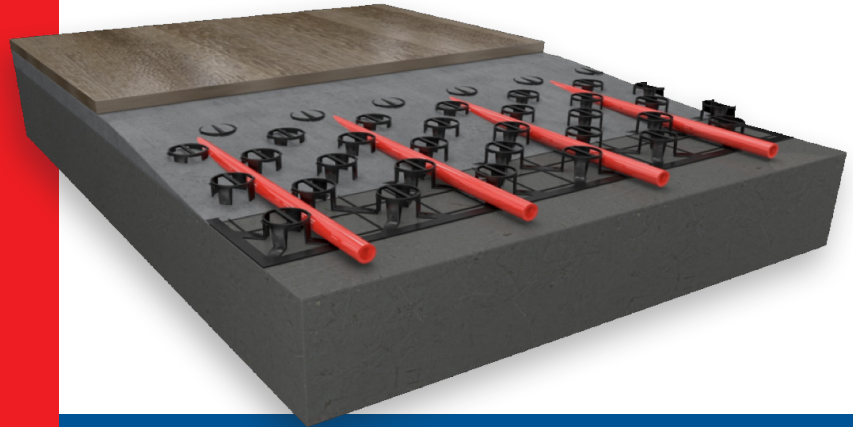


Uni-Spider25 / Uni-Spider Slim20

The Uni-Spider25 / Uni-Spider Slim20 system comprises of a series of interlocking castellated panels which have been designed to avoid using cliprail and staples to speed up the installation of the underfloor heating system. It has an adhesive layer on the underside to ensure no movement when the screed is poured. This design enables very thin screeds to be poured over the panel to give the lowest possible build.



UNDERFLOOR HEATING PIPE

Spider Panel - Our 16mm PEX-b underfloor heating pipe is extremely flexible and is available in coil lengths of 120m, 240m & 500m.

Spider Slim - Our 12mm PE-RT underfloor heating pipe is extremely flexible and is available in coil lengths of 240m & 600m.

INSULATION

- **Suspended floors** - To reduce downward heat loss, insulation should be installed between the joists - this can be retrofitted when required.
- **Concrete Floors** - This provides an improved thermal barrier to that of a suspended floor, therefore, in a retrofit project, there is no economic reason to remove and replace the existing floor unless damp or structural failure are present.
- **Beam & Block Floors** - Insulation should be installed if access to the void is practical, if access is not available, they are similar to that of a concrete floor in that they will provide a much better thermal barrier - There is no benefit to warrant taking them up to fit insulation unless remedial work is being carried out to the floor structure.

NOTE: The edge insulation supplied should be fitted around the perimeter of all rooms which are having underfloor heating. On external walls, additional insulation will be required to comply to building regulations.

FLOOR BUILD UP

Our Spider panel can be installed over concrete or joisted floors. Our Spider Panel is secured to the sub-floor and has either a self adhesive backing as standard, or we have other options available which are 6mm EHD back insulation or 13mm barbs to secure into insulation. This is then covered with a self levelling compound which is by others. Where possible existing floors should be levelled prior to installation, however the self levelling compound will compensate any minor irregularities.

UNI-SPIDER25 / UNI-SPIDER SLIM20

- Standard/Liquid Screed
- Spider/Spider Slim Panel
- 16mm PEX-b/12mm PE-RT pipe
- Protection layer (by others)
- Insulation
- Concrete Slab

FLOOR COVERINGS

Any floor covering (except natural wood) can be installed over the Spider Panel System - Usually less thermally resistive coverings ensure a greater output and faster heat up times, therefore, making the system overall more efficient.

WARRANTIES/INSURANCE

Manufacturers Warranty: All our pipe is covered by a 50 year warranty.

Professional Indemnity: £10million to cover our consultation and design service.