

## Preparing your floor before application of screed over Underfloor Heating

Please follow the following steps:



### 1) INSULATION

Place suitable insulation onto structural floor and install edge insulation, along the perimeter of the walls and columns, this to avoid cold bridging and allow the floating floor to expand



### 2) PLASTIC MEMBRANE (P.U. MEMBRANE)

Before placing of underfloor heating pipes a plastic membrane is installed directly onto the insulation boards, and returned up the walls. This ensures no leakage of the screed and allows the screed to dry consistently throughout.



### 3) UNDER FLOOR HEATING PIPES

Under floor heating pipes are placed and fixed to the insulation boards using clips and/or rails. Fixings need to be no more than 500mm apart and extra fixings are required for bends/returns, to ensure pipes don't float during screed application.



#### **4) FLOOR SCREED**

Before screed placement commences, we set adjustable tripod depth gauges set by laser level to agreed datum, which is usually calculated from your door threshold, there is no requirement for datum lines on walls. This ensures a level floor throughout the building.



#### **5) FINISHED FLOOR**

Smooth & Level. Foot traffic can commence after 6-8 hours under normal drying conditions.

Area for screed should be weather proofed, i.e. Roof sealed, Windows fitted and in Dry condition. Ideally internal plastering of walls should be completed.

- Floor beneath insulation should be clear of debris that may affect proper placing of insulation.
- Voids underneath or between sheets of insulation should be avoided. Mechanically fix insulation if required.
- Install edge insulation, along the perimeter of the walls and columns, this to avoid cold bridging and allow the floating floor to expand.
- A thin layer of plastic sheeting should then be placed over insulation and turned up on walls in all rooms. Joints need to be taped and upturns fixed at 150mm above screed levels. (It can be trimmed back after screed is poured.)
- Under floor heating pipes can now be placed over plastic sheeting and fixed at 500mm centres. (Pipes must be fixed properly to avoid floating during screed placing.)
- Heating pipe system should be put on test while screed is being placed to ensure any pipe failure can be identified. (Discuss with your heating contractor.)
- Avoid leaving any debris that may float to the surface of the screed, vacuum clean if necessary.
- Your floor is now ready for screed pouring. We will require a mains water supply on site and access for van screed pump and concrete mixer truck.
- Datum for finish level of floor screed needs to be established by the client keeping in mind door threshold levels.
- Exact quantity of screed required can be determined when depth gauges are set on site using datum given. (There may be an additional charge for material used.)