

## Liquid Screeds and UFH systems Floor Preparation Guide

### STEP 1: Floor Cleaning

Prior to laying any insulation products it is extremely important to clean the existing floor slab. A general sweep and the removal of any obstructions or building materials stuck to the floor is required, failure to do this will cause the insulation to raise up and throw the floor out of level. This will have an overall affect on the final depth of screed that will need to be placed.



### STEP 2: Insulations

When laying insulation place the insulation on the prepared surface taking care to push tight into the wall surface and without gaps. Continue to lay in a brick bond fashion. Once all the insulation is laid a suitable foil tape should be used to seal all joints, this will stop the insulation splitting apart and will carry the insulation value without any cold bridging.



### STEP 3: Membrane

Using a 500 Gauge membrane cover the insulation making sure to lap up the wall 4 - 6". Take care to fold the membrane in the corners leaving no holes and fix in position. Push membrane into the floor wall seam so it forms a right angle. Any joints must be overlapped 6" and fully taped as in the picture (do not use foil tape). A thicker folded membrane should not be used as UFH staples will not penetrate the membrane, the folds in the membrane can induce cracking as they will not lay flat and stand proud.



#### STEP 4a: Perimeter Edging

When fitting the edging strip most have a plastic skirt on the rear - place the strip on the wall with the skirt behind and pull down the skirt so it goes under the trip and lays flat on the membrane (as in the picture). Take care to fix strip to the walls with suitable fixings (staples, nails etc) this will stop it floating up when the screed is placed. Make sure that the strip is pushed into corners and lays flat against the walls so as to get a perfect joint on the floor wall seam with no holes or unsightly gaps.



#### STEP 4b: Perimeter Edging

It is important when all the edging strip is secured to the walls that you tape the skirt to the membrane this will do two things it will stop any screed from flowing under and behind the edging and will also stop the edging from floating to the surface.

Once the preparations are complete sweep any debris from the surface of the membrane as they will float to the surface of the screed and leave a rough unsightly screed finish.



#### General Information

When undertaking any floor preparation works it is important to use the correct materials to achieve the desired finish, using materials that are not designed for can lead to problems.

The following materials as used in the above pictures:

- 500 gauge membrane 2mtr / 50-100mtr roll
- Perimeter edging strip 100mm / 50mtr roll
- Flooring Sealing tapes 75mm width

All the products used can be obtained from Express Screed Ltd if you require additional help please feel free to contact us on the number listed on this information sheet where one of our team will talk you through the process.