



Installing the Profix® Grooved Dry Screedboard System on a Concrete Floor

All materials must be stored between +5°C and +25°C and allowed to acclimatize to the environment in which they are to be installed (+10°C to +25°C) for a minimum of 24 hours before installation. Materials must not be exposed to direct sunlight.

PREPARE THE CONCRETE FLOOR

Ensure the floor is capable of supporting the required loads and that its surface flatness meets the requirements of the chosen final floor covering.

Concrete floors which do not meet the surface flatness requirements of the chosen final floor covering must first be smoothed using Profix® Levelling Compound and allowed to dry.

Old coatings, adhesives or other surface contaminants should be removed and the floor vacuumed to remove any dust or debris.



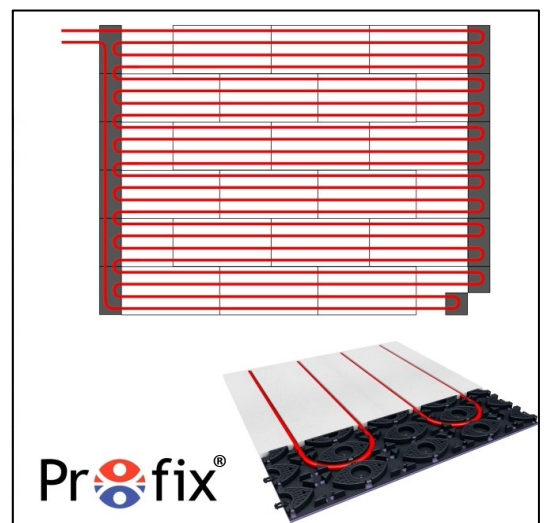
Profix® PE Edge Insulation should now be fitted around the perimeter of each room and to any other vertical upstands.

Peel back the release paper on the 25mm width to expose the adhesive and stick it down to the floor. The 25mm width should form a right-angle with the 50mm width standing vertically up the walls and other upstands.



REVIEW THE UFH LAYOUT DRAWING

Review the underfloor heating layout drawing to determine which direction to lay the 18mm T & G Grooved Dry Screedboard and decide which corner of the room to begin laying the Profix® End-Return Panels (incorporating a pre-bonded 3mm XPS Insulation to make them the same 18mm thickness as the Grooved Screedboard) to accommodate the pipe bends and any highways from and back to the manifold.



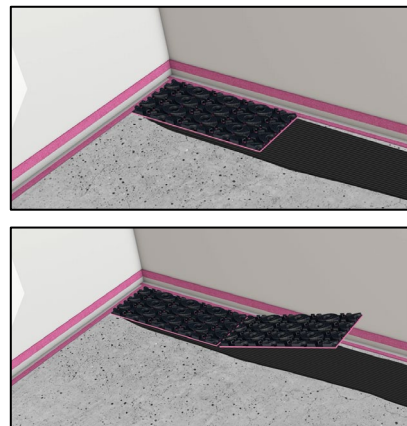
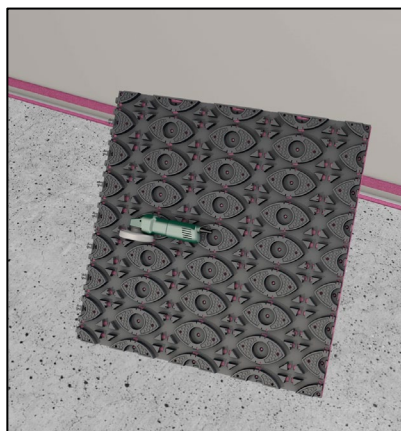
INSTALL THE CUT-TO-SIZE PROFIX® END RETURN PANELS

Determine what width to cut the Profix® End-Return Panels to best accommodate the pipe bends and any highways.

Using a notched trowel, apply a suitable fast curing MS Polymer Adhesive (or similar) to the floor to match the width of the cut-to-size Profix® End-Return Panels.

Best results will be achieved, particularly for very porous surfaces, by first applying a dispersion primer diluted in accordance with the manufacturer's product data sheet and allowing it to become touch-dry before applying the adhesive.

Place the first cut-to-size Profix® End-Return Panel in the corner of the room, with the 'arrow heads' of the male snap-clips facing to the LEFT, and bed it onto the adhesive making sure to align the outer edges of the panel with the Profix® PE Edge Insulation.



Continue this process to form an entire row of cut-to-size Profix® End-Return Panels running along that end of the room, cutting the final panel to length if required.



INSTALL THE GROOVED DRY SCREEDBOARD

Position the end of the first 18mm T & G Grooved Dry Screedboard up to the front edge of the first cut-to-size Profix® End-Return Panel. Apply a bead of Screedboard adhesive to the T & G detail on the end of the Grooved Dry Screedboard and engage the next board in the row. Continue laying boards until you approach the end of the row. At this point review the underfloor heating layout drawing to determine what width to cut the Profix® End-Return Panels for use at this end of the room.

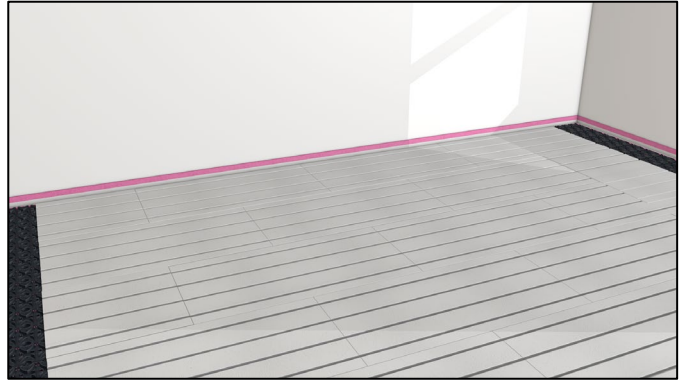


INSTALL THE GROOVED DRY SCREEDBOARD

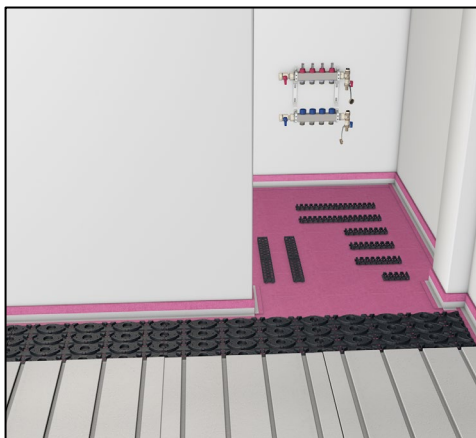
Cut to length the final Grooved Dry Screedboard to fill the remaining gap and thus complete the first row.



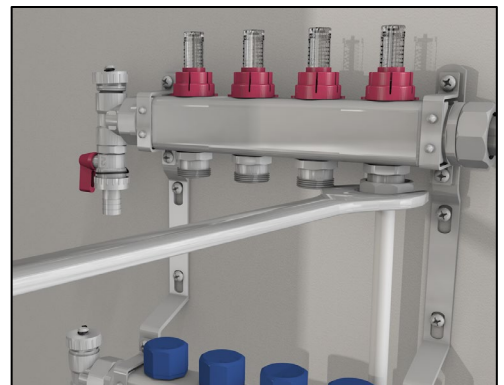
Work your way back up the room to form the second row of Grooved Dry Screedboard, ensuring that a bead of Screedboard adhesive is applied to every T & G joint, cutting to length the final board in the row as before. Follow this process one row at a time, ensuring that the boards are installed in a continuous brick-bond pattern.



Profix® Clip-Rails can be used in close proximity to the manifold to secure pipework at close centres prior to transitioning into the Grooved Dry Screedboards.

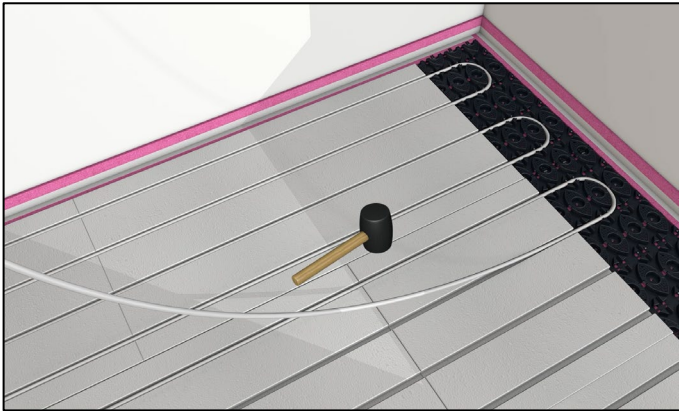


Connect the first pipe run to the manifold.

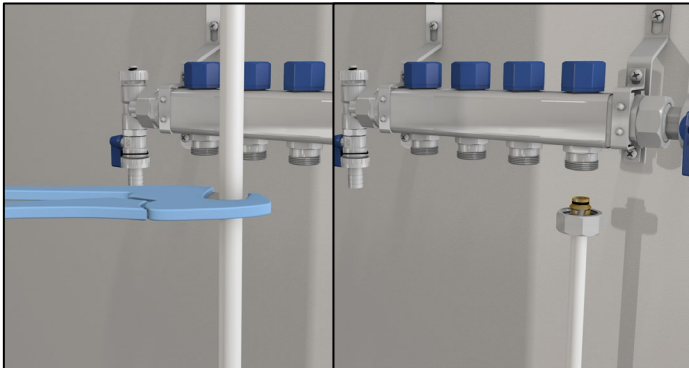


INSTALL THE UFH PIPEWORK

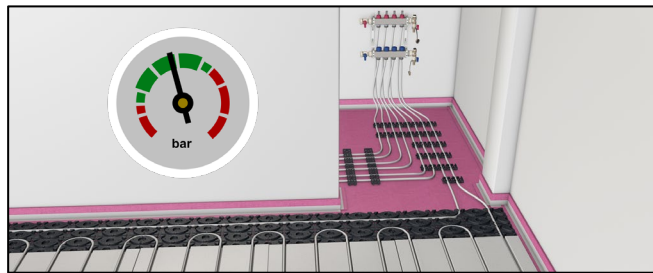
Use a rubber mallet to help secure the pipe into the Profix® Clip-Rails, the Cut-to-Size Profix® End-Return Panels and the Grooved Dry Screedboards.



Return the first pipe run to the manifold.



Connect all additional pipe runs to the manifold. Pressure test the system to ensure there are no leaks. Suitable expansion joints should be fitted at all door thresholds.

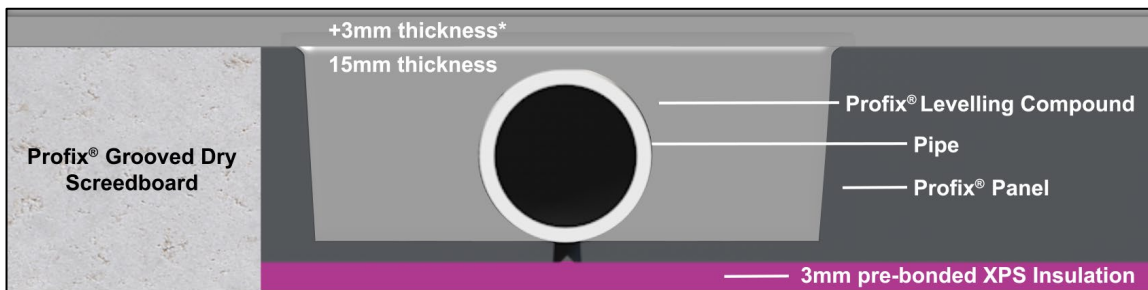


MIX THE PROFIX LEVELLING COMPOUND

Pour 5.0 litres of cold, clean water into a clean container. Add sack contents (25 kg) whilst stirring vigorously until a smooth and lump-free compound is obtained. Use a heavy-duty drill with a suitable levelling compound mixer attachment (minimum 650rpm).

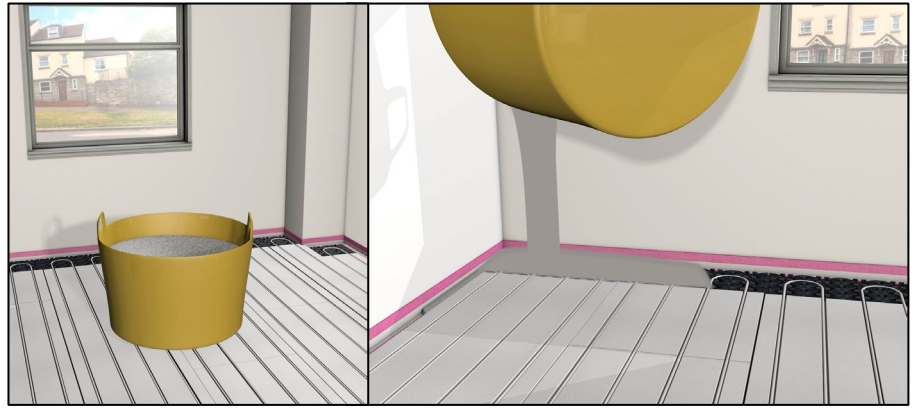


Apply Profix® Levelling Compound to minimum 15mm thickness for tiles or engineered wood flooring. Apply additional minimum 3mm Profix® Levelling Compound for carpet or vinyl flooring.* (Diagram for illustration purposes only.)

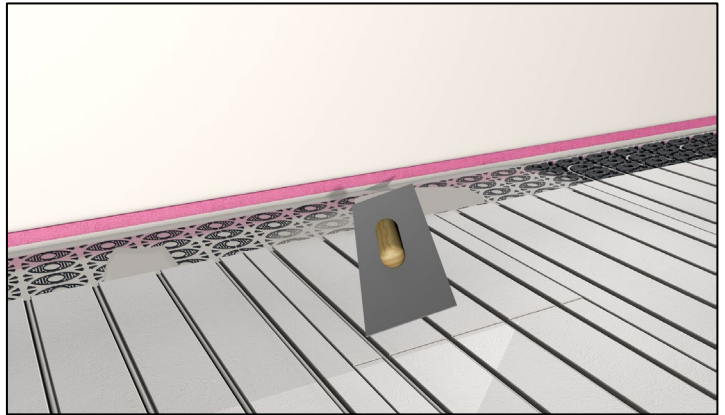


POUR THE PROFIX LEVELLING COMPOUND

Pour the first batch of Profix® Levelling Compound to infill the cut-to-size Profix® End-Return Panels, starting in one corner and working in a continuous line. Repeat with subsequent batches.



Once sufficient compound has been applied it can be distributed to the required depth using a smoothing trowel or smoothing rake. The surface finish can be improved using a spiked roller.



Foot traffic after 4 hours in good drying conditions.

Floor coverings after 24 hours in good drying conditions.

