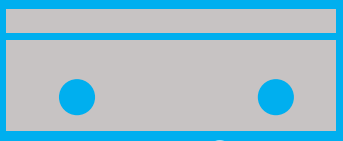
INSTALLING THE PROFIX SYSTEM ON CONCRETE FLOORS



concrete floors

Profix™

1. Concrete substrates

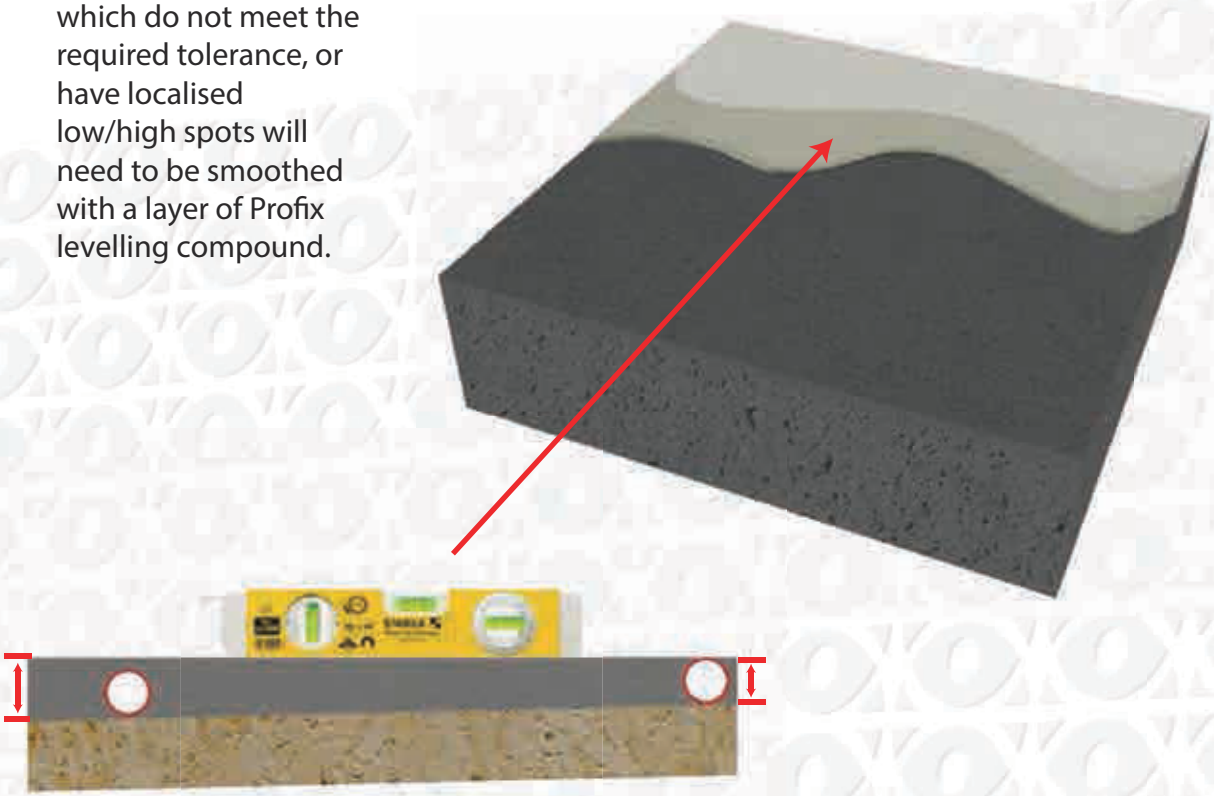
Profix levelling compound is used to encapsulate, fill and smooth the Profix Panels which have been securely fixed to the existing concrete substrate in accordance with the Profix instructions.
After assessment of the substrate and completion of the required pre-treatment, the Profix Panels should be mechanically fixed to the substrate ensuring that they are flat and in contact with the substrate. There should be no movement or flexing of the floor when walked on.

Primer only

For solid cementitious substrates, the surface flatness should meet the required tolerance for the finished floor, without any deviations or holes.
Where the concrete meets this requirement, it can now be prepared and primed as described in the next section "Prepare the floor"

Smooth Floor and Prime

Concrete substrates which do not meet the required tolerance, or have localised low/high spots will need to be smoothed with a layer of Profix levelling compound.



1. Concrete substrates

STEP 1

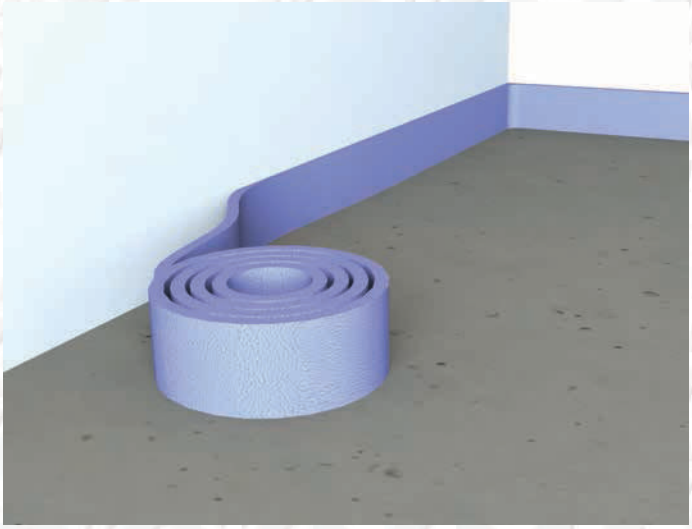
The substrate should be swept clean of any dust / debris.

STEP 2

The substrate is primed using Profix dispersion primer, diluted according to the data sheet. The primer is spread using a soft sweeping brush. Profix panels can be applied after the primer has become touch dry and the Profix levelling compound should then be applied within 72 hours.

STEP 3

A soft strip (5mm minimum thickness) is fixed to the walls and any vertical element within the floor area.



1. Concrete substrates

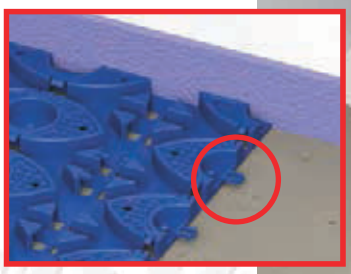
STEP 4

Before placing the first panel within the corner of the room, remove all tabs on the one edge of the panel (see image to the right). This ensures that the protuding tab does not pierce the edge insulation.

All subsequent panels within the first row must have the tab removed.

STEP 5

Place the first panel within the corner ensuring the male snap clip is facing from left to right.



STEP 6

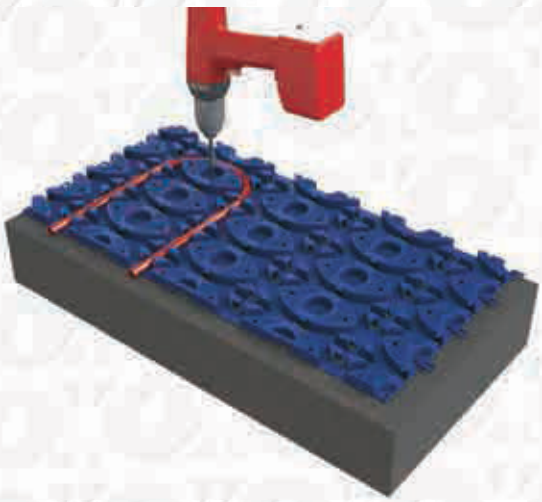
Mechanically fix the panels to the floor

Drill a hole within the eye using a 5-6mm drill bit

Place one of the supplied fixings into the drilled hole

Hit the fixing using a hammer

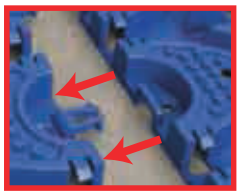
Repeat in areas to stop the panels from lifting

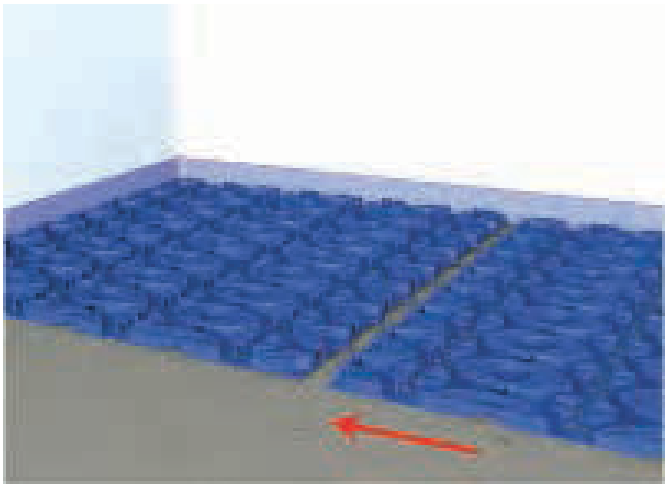


1. Concrete substrates

STEP 7

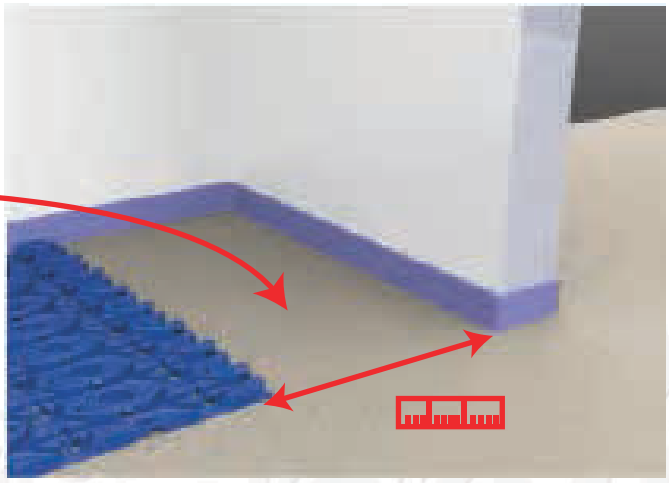
Click the next panel into place using the male snap clips until fully engaged.





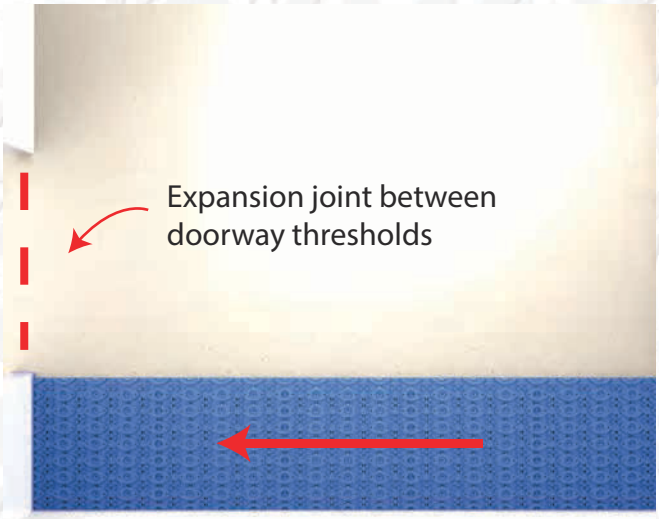
STEP 8

Complete the whole row of panels until you reach the edge of the room



When you reach the edge of the room, measure the remaining distance and score the back of the panel using one of the pre grooved cutting lines.

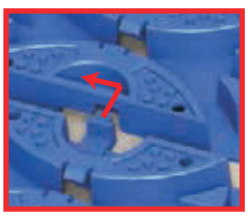
Snap the required section of panel and lock in place.

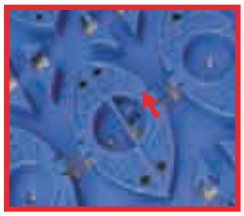


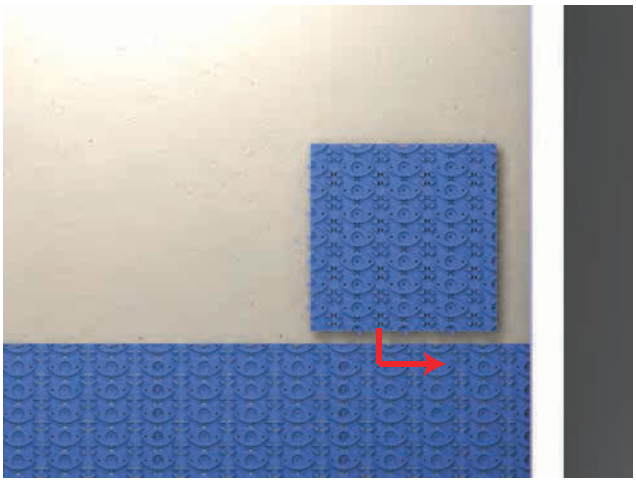
1. Concrete substrates

STEP 9

Upon completion of the first row, the next panel is connected to the first panel of row 1 using the slide and lock feature.

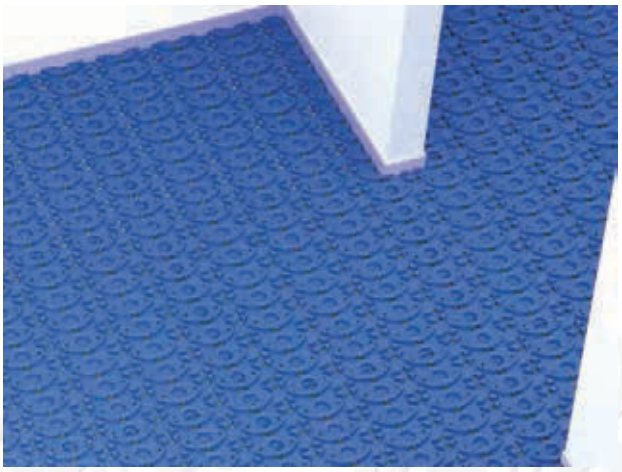






STEP 10

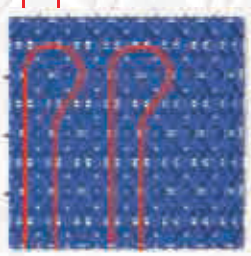
Continue to the lay the panels across the room repeating the process until the room is completed.



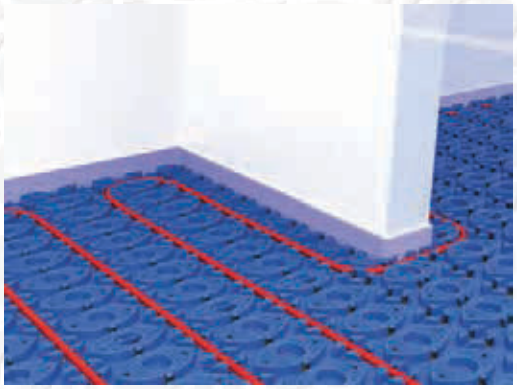
STEP 11

Laying the pipework- Starting from the manifold, lay the first circuit by pressing the pipework into the panel through the integral pipe clips in a meandering pattern. The grooves within the panel enable either 150mm or 75mm pipe centres.

75mm



150mm

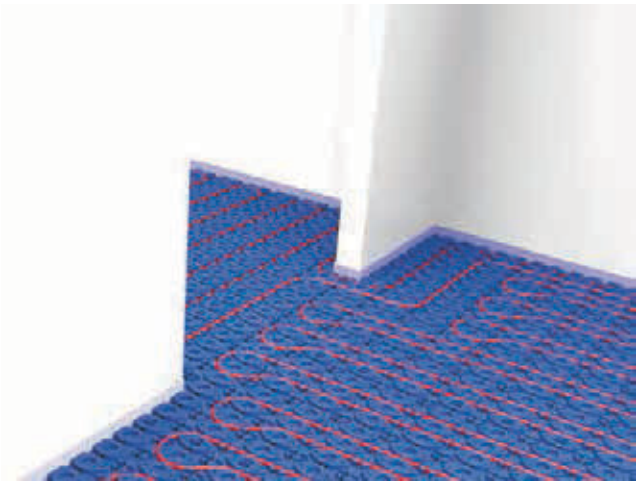


Ideally use a rubber mallet to fully engage the pipe work in place

1. Concrete substrates

STEP 12

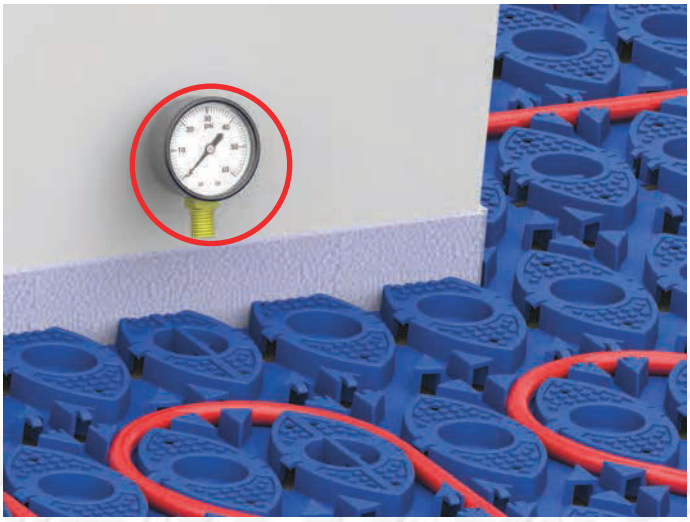
Complete all circuits



STEP 13

PRE SCREEDING CHECKS-

1. Ensure all panels are secure to the substrate
2. Ensure all pipework is clipped in place and secure within the panel.
3. Ensure the area within the panel is completely clear of debri.
4. Ensure the pipework is fully pressure tested in line with the testing procedures



READY FOR APPLYING THE PROFIX LEVELLING COMPOUND