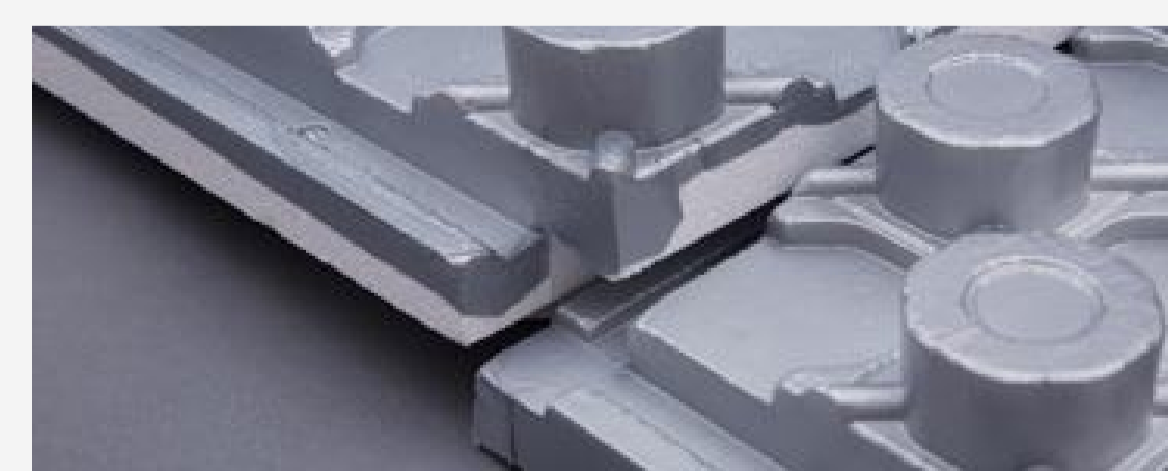


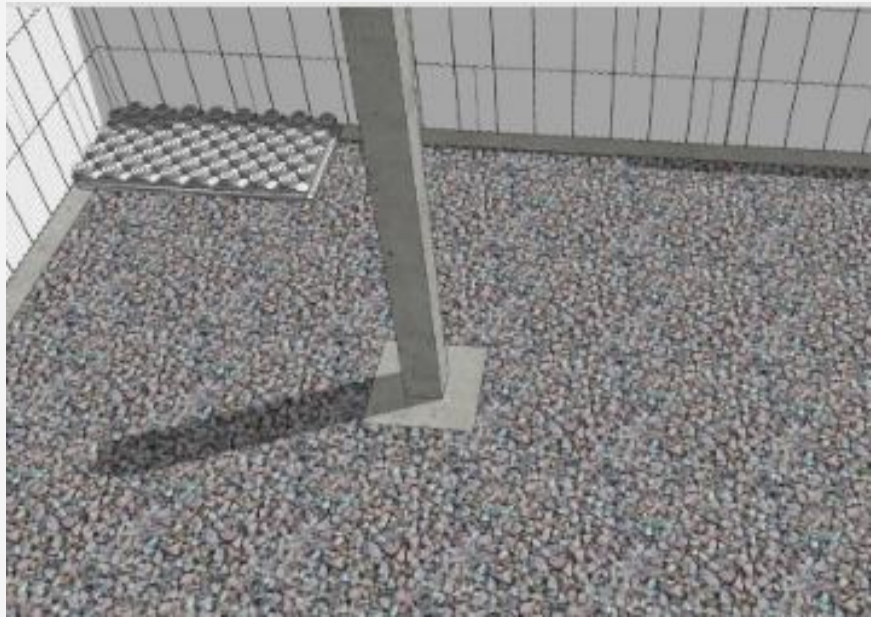
## Before Starting the Installation

- The usable area of the INSULHEAT panel is 24×48" (610×1219mm). Once the entire area calculated from the drawings (in sq. ft.), divide the total area by 8 sq. ft. to get the number of panels required.
- It is important that the hydronics designer/specialist is aware that INSULHEAT panels can be designed around 3" spacing with  $\frac{3}{8}$ ",  $\frac{1}{2}$ ",  $\frac{5}{8}$ ",  $\frac{3}{4}$ " and 1" nominal Pex tubing.
- Ensure that the base is smooth, compacted and at the correct elevation before panel installation.
- Check to see if the local building code requires a dedicated vapor barrier which will need to be installed prior to placing the panels.
- It may be necessary to glue some of the panels, use construction adhesive that is compatible with foam insulation. We recommend Bostic Greenforce.
- Panels are designed to securely lock the tubing in place allowing other trades to continue working on the panels without running the risk of damaging or dislocating the tubing.



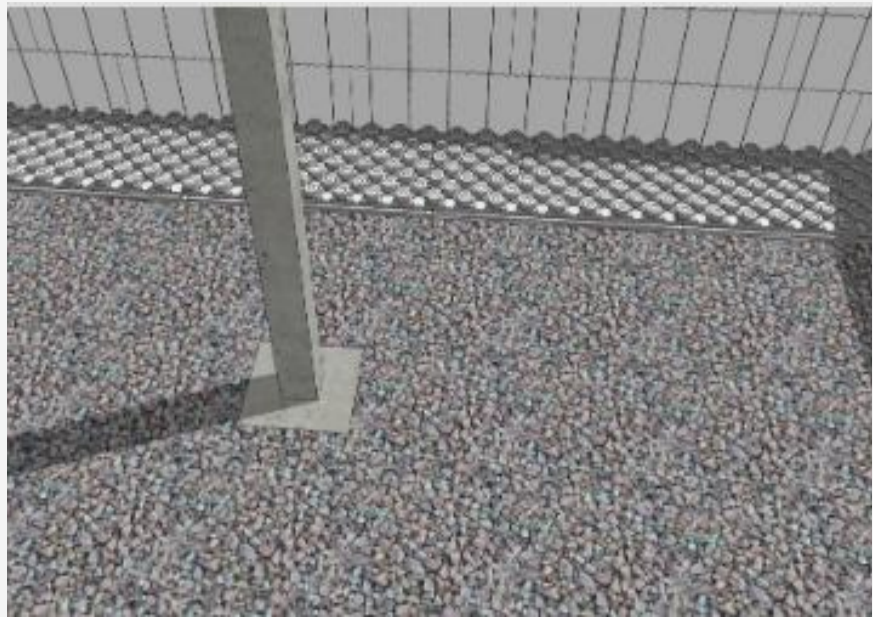
# Installation Steps

These general installation steps are applicable to InsulHeat panel installation for basements and slab on grade.



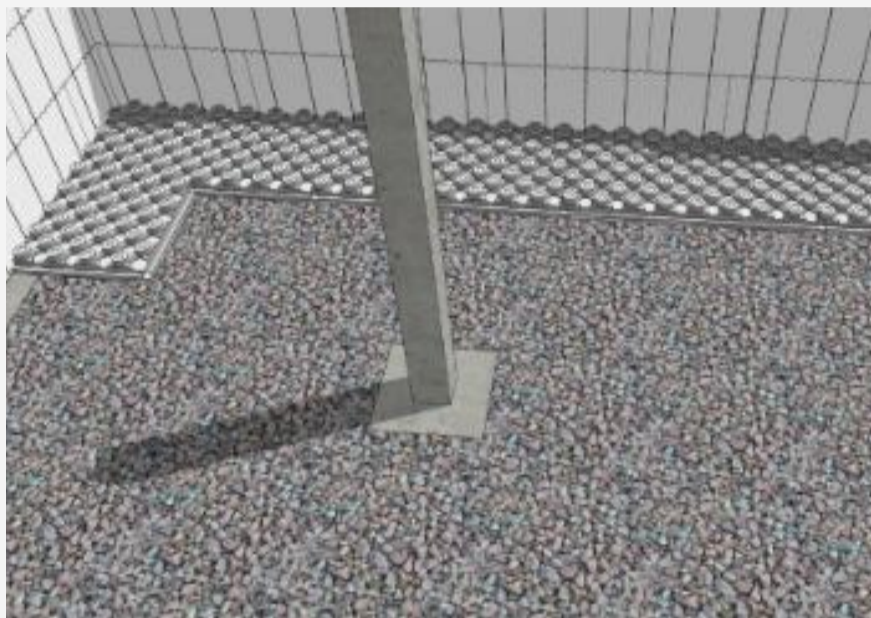
**STEP 1**

Start from the far-left corner and work from left to right. Lay down the first panel so that the exposed interlock is to the right side and forward (panels can be placed down either along the length or width of the outer wall).



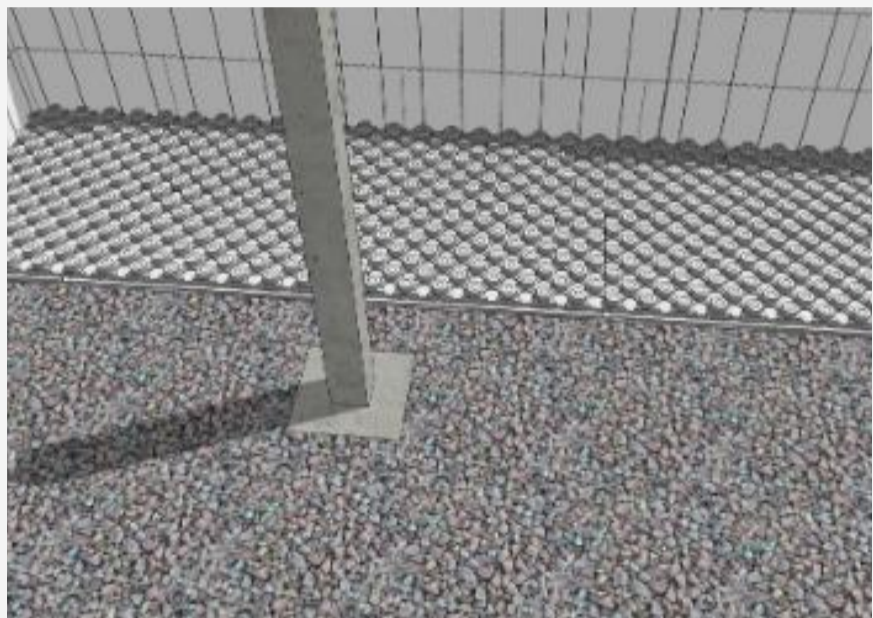
**STEP 2**

Continue to lay the panels ensuring that they are properly interlocked and are snug and aligned.



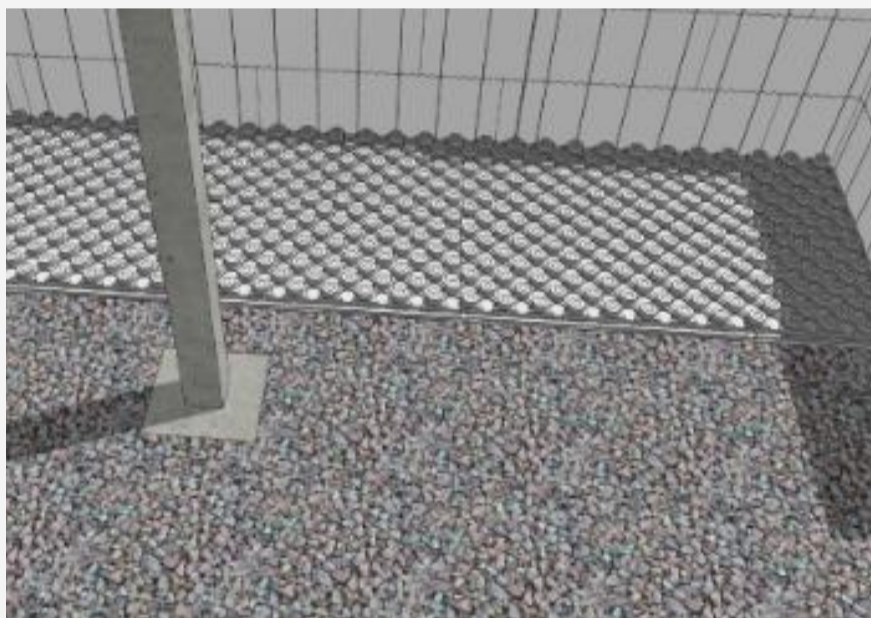
**STEP 3**

Start the next row with half a panel. This will stagger the seams, creating a running bond and ensuring that panels are properly interlocked and aligned.



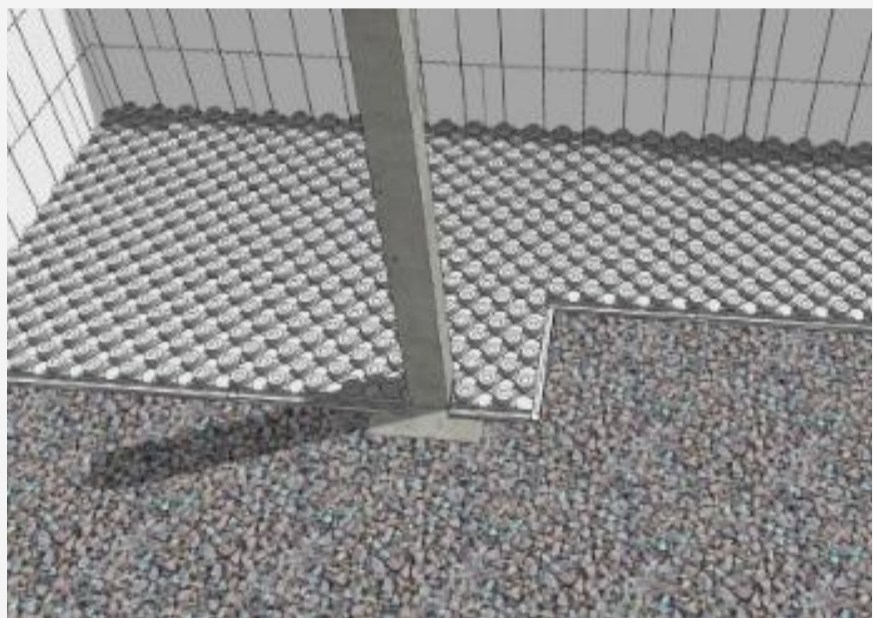
**STEP 4**

Continue to lay the panels ensuring that they are properly interlocked and are snug and aligned.



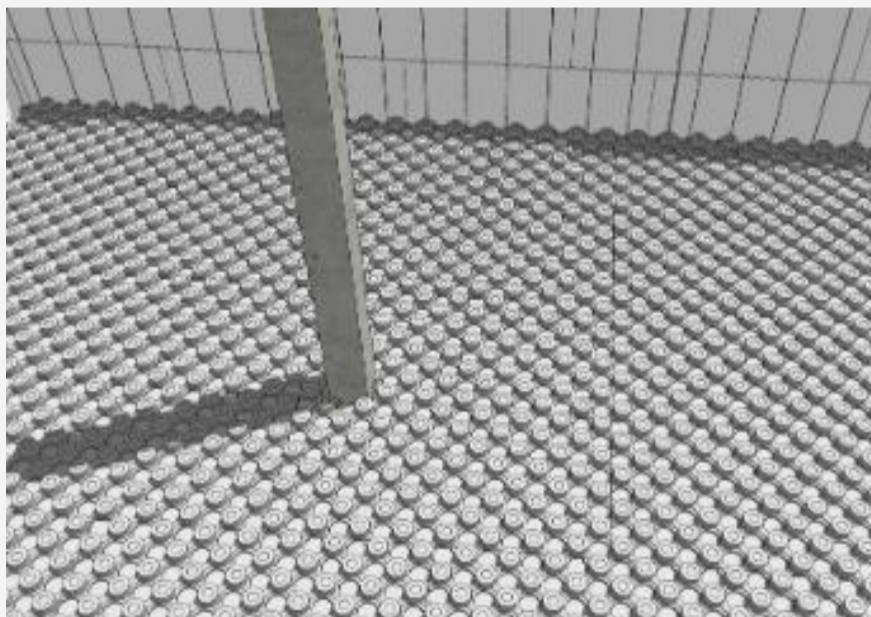
**STEP 5**

Use the second half of the cut panel to finish the row.



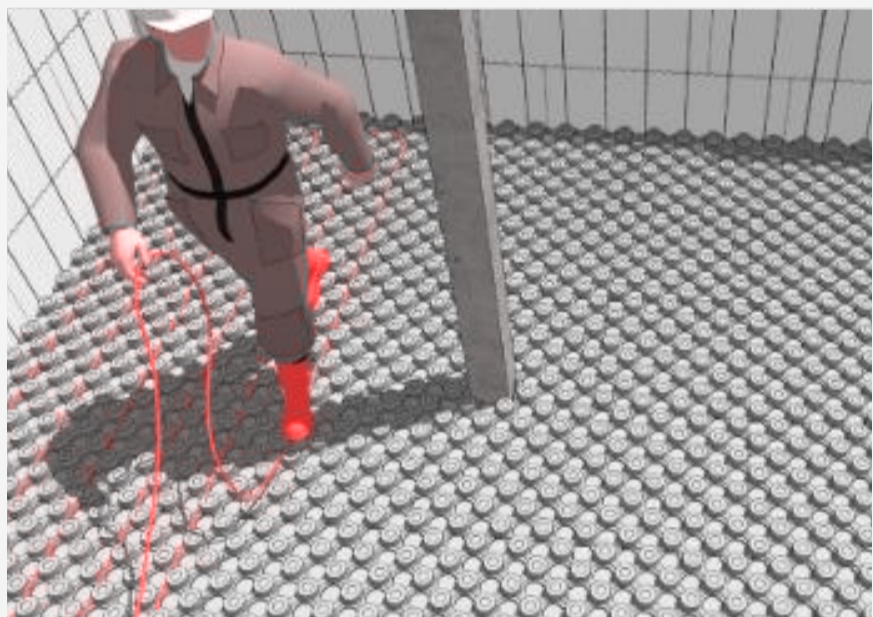
**STEP 6**

It may be necessary to cut the panels to accommodate columns or walls.



**STEP 7**

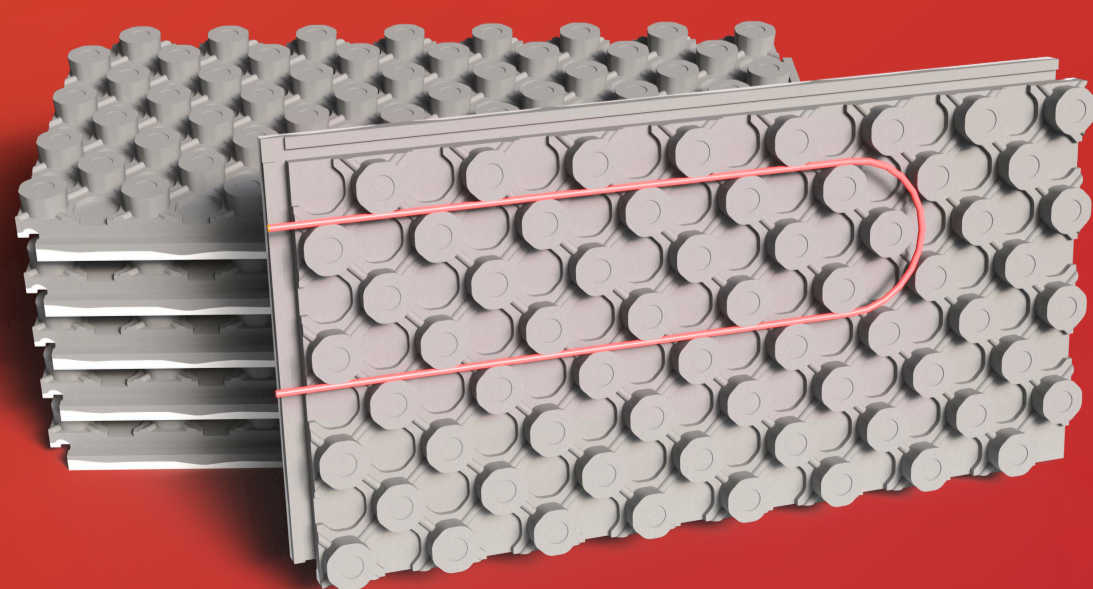
Continue to place the rows of panels maintaining a staggered running bond layout.



**STEP 8**


Install the PEX piping by walking it into the nubs of the panels according to the design layout.

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