

Ampex Installation Manual

Before Starting the Installation

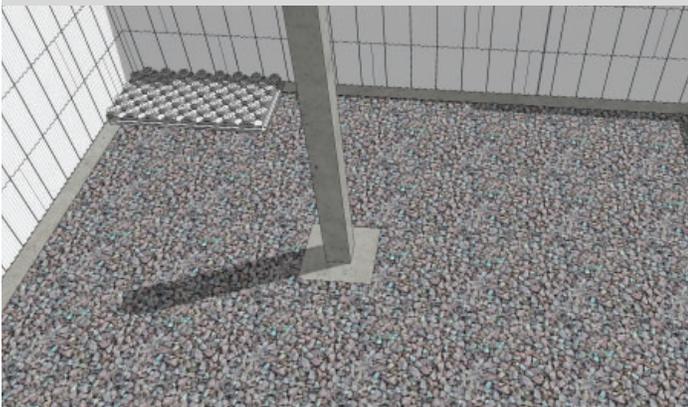
- The usable area of the Ampex panel is 24x48" (610x1219mm). Once the entire area calculated from the drawings (in ft²), divide the total area by 8ft² to get the number of panels required.
- The total amount of concrete needed for a given slab can be calculated using Amvic's quick online calculator that can be found on the Ampex product page: <https://www.amvicsystem.com/products/ampex/>.
- It is important that the hydronics designer/specialist is aware that Ampex panels are designed around 3" (76mm) increments.
- 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 (e.g. LePage PL[®]300 Foam Board Adhesive).
- 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

These general installation steps are applicable to Ampex panel installation for basements, slab on grade and exterior snow melt applications.

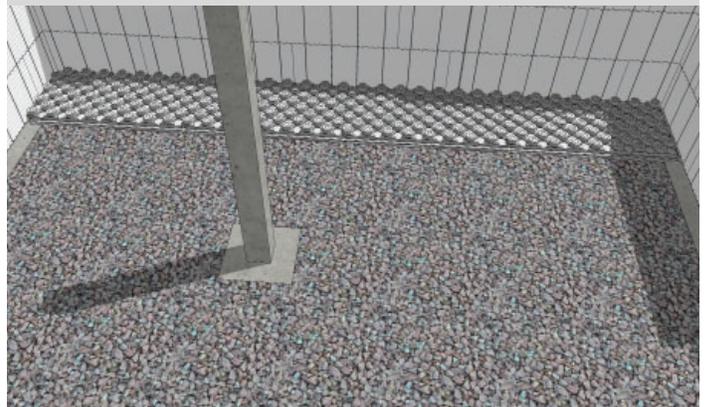
Step 1

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).



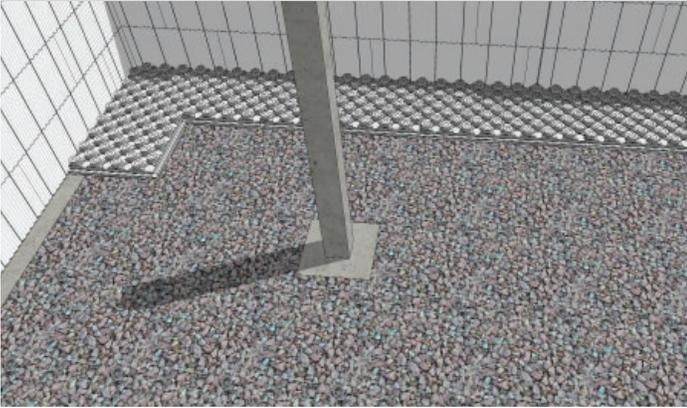
Step 2

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



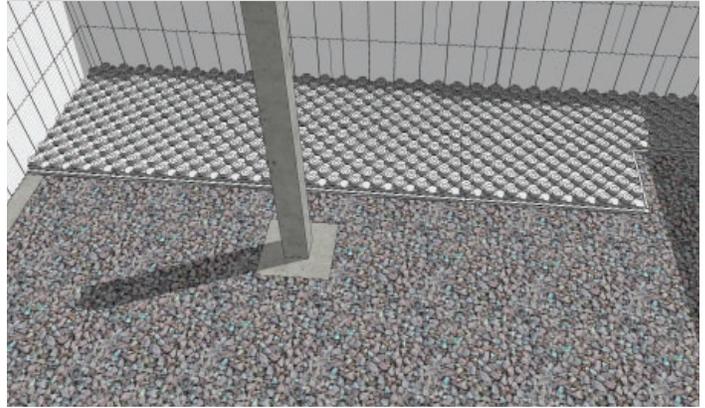
Step 3

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.



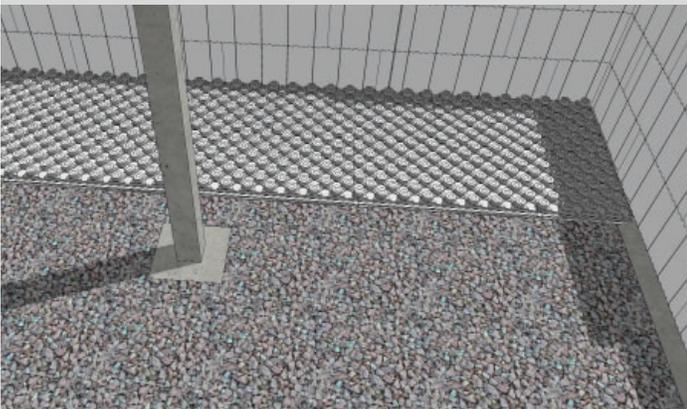
Step 4

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



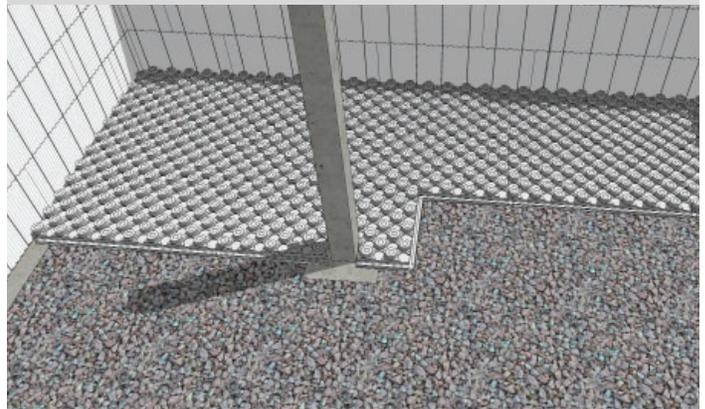
Step 5

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



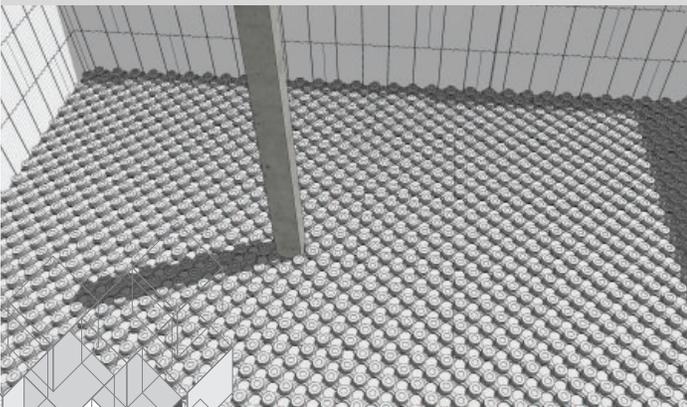
Step 6

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



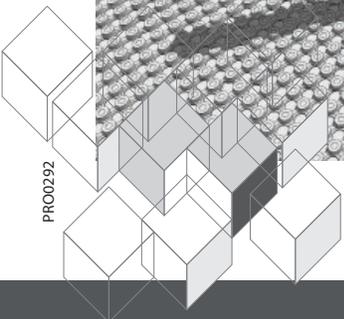
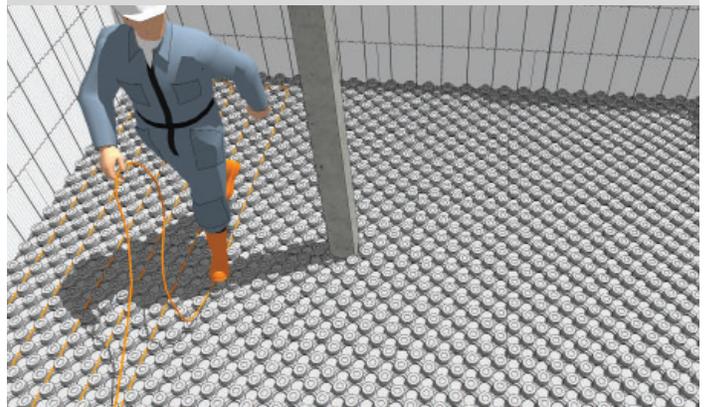
Step 7

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



Step 8

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



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