

# Ampex Low Profile Installation Manual

## Before Starting the Installation

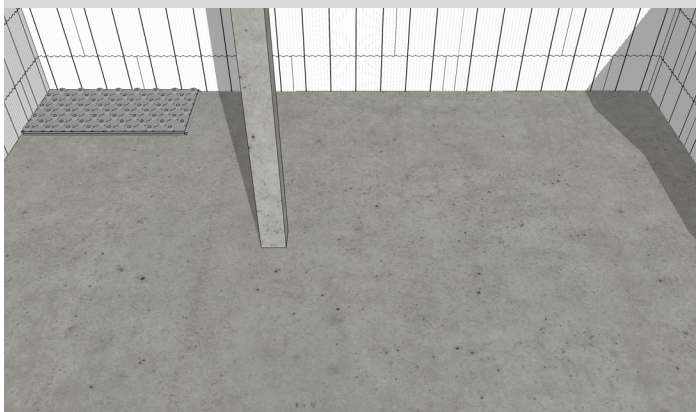
- The usable area of the Ampex Low Profile panel is 24x48" (610x1219mm). Once the entire area is calculated from the drawings (in ft<sup>2</sup>), divide the total area by 8ft<sup>2</sup> to get the number of panels required.
- The total amount of concrete needed for a given slab can be calculated using Alleguard's Ampex Quick Estimator that can be found on the Alleguard website, within the Technical Resource Library page, under Calculation Tools.
- It is important that the hydronics designer/specialist is aware that Ampex panels are designed around 3" (76mm) spacing.
- Ensure that the concrete floor is clean and level prior to the panel installation. Any area that is uneven for more than ¼" (6.3mm) over a 36" (914mm) to 48" (12,191mm) in length should be repaired to a level surface by using self-leveling concrete product following the manufacturer's instructions.
- Install a vapor barrier, if required.
- 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.
- Place the panels in the work area for a minimum of 24 hours prior to installation to acclimatize to the room, lay the panels flat to the floor.

## Installation

These general installation steps are applicable to Ampex Low Profile panel installation above concrete slabs such as in basements, and bathrooms.

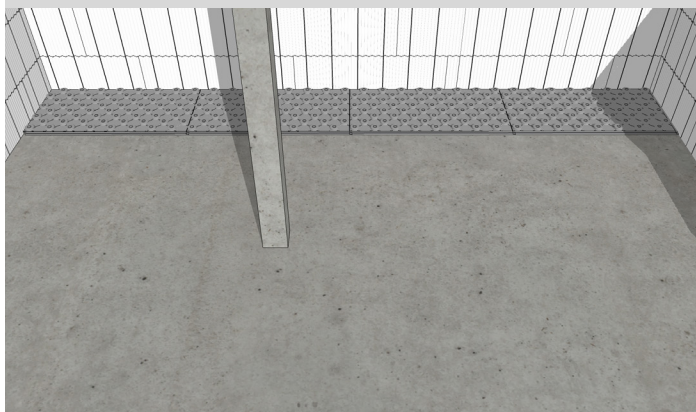
### Step 1

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).



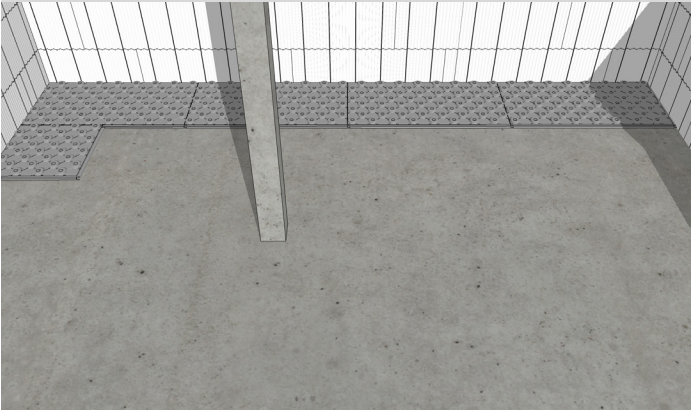
### Step 2

Continue to lay the panels ensuring that they are properly interlocked, snug and aligned. At the end of each row, the last panel can be trimmed as needed to fit any floor space dimension.



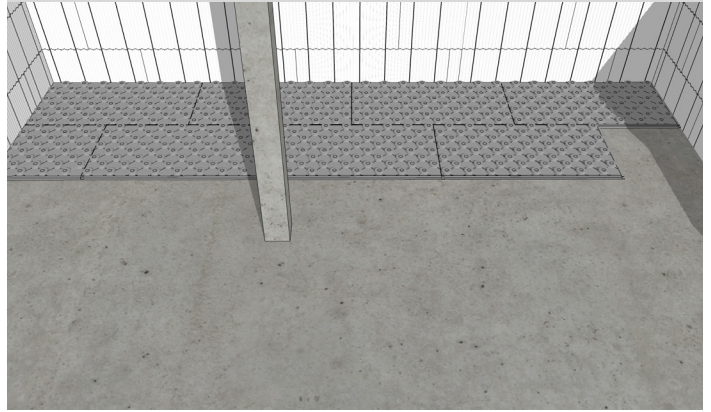
## Step 3

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.



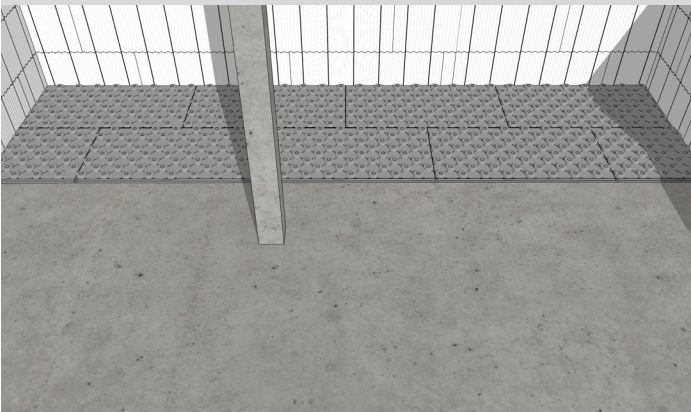
## Step 4

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



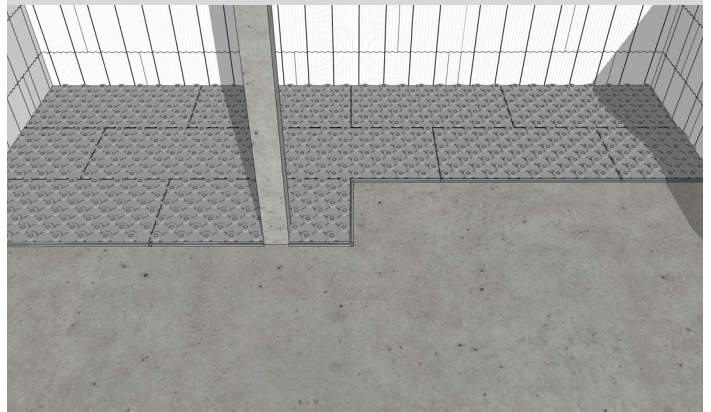
## Step 5

Use the second half of the cut panel to finish the row, if applicable. The last panel can be trimmed as needed to fit any floor space dimension.



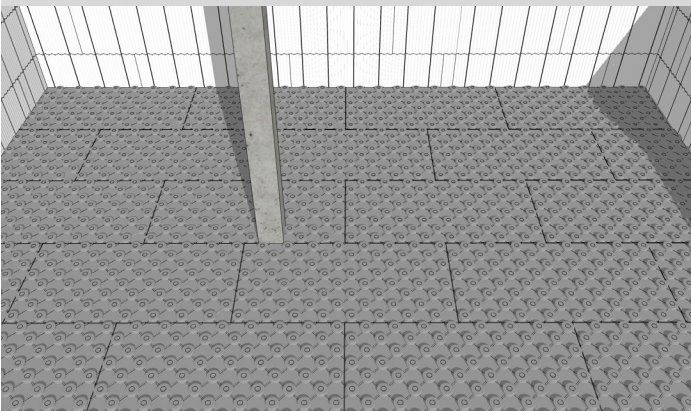
## Step 6

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.

