

## Step by Step Guide to Laying System Plates for Screeded Floors

### Installation Steps

#### Step 1

Place edge expansion foam round room perimeter, starting halfway along a straight section. As you do this, peel off backing paper from adhesive on underside of foam strip.

*NOTE: Do NOT remove scored backing from top edge yet.*

When complete perimeter covered, make square cut, ensuring strip end overlaps the starting point. Trim overlap.



#### Step 2

Lay insulation panels, using bonded arrangement to create staggered joints.

*NOTE: These panels are to be independently sourced – NOT supplied with Staples system*



#### Step 3

##### Place System Plates

First Plate: identify corner that is NOT notched and has plain round corner castellation. Place this corner into a corner of room space

*NOTE: All other Plates should be oriented same way*

Second Plate overlaps the first: place non-notched corner over notched corner, covering castellations with diamond-shaped tops.

Repeat for each row of Plates: cut final Plate in any row to length using jigsaw, handsaw or circular saw. Use offcut to start next row.

Fix Plates in position using plate tacks.

Ensure integral gaiter on edge expansion foam is lying flat over top of System Plates. Slit gaiter at corners to allow it to lie flat.



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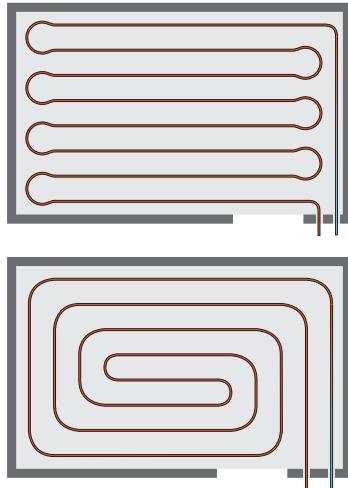
### Step 4

#### Plan pipe layout

**RECOMMENDED PIPE SPACING:** 225mm centres (castellations, which grip the pipe, are at 75mm centres – so pipe spacing will be multiples of that).

Start pattern from nearest point to location of manifold. Use spiral [recommended] or serpentine pattern: serpentine pipe runs normally lie parallel to longest edge of room. Avoid floor areas where heating NOT required.

**EXAMPLES:** under permanent fixtures such as kitchen appliances/ cupboards. Do NOT install heating pipe here.



### Step 5

#### Place and fix pipe

Remove Wavin cutter from pipe reel, strip off blue wrap, and find pipe end from centre of reel.

Leave tail long enough to reach manifold.

For spiral pattern: begin laying pipe around perimeter of room 75mm from wall. Clip pipe over gaiter to hold it in place.

Roll pipe into curve at corners to secure firmly.

Place pipe by hand at turns, but press in place by foot on straight runs.

Lay pipe in spiral at 450mm centres (= 6 castellations gap) into centre of room, then reverse out. Final pipe spacing: 225mm centres.

**IMPORTANT NOTE:** To avoid over-stressing pipe, do NOT make turn tighter than 225mm diameter

If part of pipe circuit requires diagonals, crush down small castellations as necessary. Where pipe tails are below manifold location, clip each pipe into a curved pipe support.



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### Step 6

#### Completion/ Commissioning

Install the manifold and  
connect pipe circuits  
(see separate guide).

If multiple circuits,  
balance system.

Fill and flush system.

Pressure test manifold  
and connected circuits  
in the installed system.

Screeding

Install controls and set  
up thermostat(s).

