Heatec

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Instructions: *In-Screed cable installation*

It is important to involve your electrician. This is a fixed wired heating appliance and as such, must be connected by a licensed electrician. In most cases, the thermostat will become the connection point and your electrician will need to provide a supply to this point at pre-wire, together with a draw wire or conduit to floor level.

Your kit should include some gaffer tape for securing any cable removed from the mat, into position. In addition, you will need a spray can of contact adhesive. We are unable to include this in kits due to transport restrictions.

Step 1: Measure floor area

Measure up the actual floor area to be heated—in square metres. It is sometimes easiest to first measure the total area wall-to-wall area then deduct the floor space occupied by individual fixtures such as vanity units, WC, bath, and cupboards.

Step 2: Determine cable spacing

Multiply the clear floor area in square metres by 1000, then divide this by the cable length to arrive at an average spacing in millimetres. This would normally be in the range of 90—125mm. If not, we suggest that you call our office as you may have ordered an unsuitable cable length.

Do not proceed without being sure that the cable length ordered is within range for the heated floor space, as it cannot be lengthened or cut.

Step 3: Mark the layout

Plan the cable layout and mark the cable spacings. A chalk mark for every second run should be adequate to maintain even spacings. Allow for the return cable run in your layout..

Step 4: Lay the cable

Spray a band of contact adhesive across the floor at both ends where the tapes will be used to secure the cable ends. This is usually dry enough in only a couple of minutes. Then commence laying the cable, starting from the connection point. If you are not running the return cable around to the far end first, do not forget to allow space for it.

Short 50mm pieces of tape should be adequate to secure the cable run ends at first.

After any adjustments, additional taping is done about every 400mm.

Step 5: Feed the cold tails and sensor cable up to the thermostat position

Draw the two cold ends to the heating cable, together with the floor sensor wire, up to the connection point. Once past the hot cold join the cables may be together, however it is important that separation and approximately even spacing is maintained between all heating cable up to this point.

It is important that the end of the floor sensor is then positioned mid way between cable runs an at least 300mm in from the wall.

Step 6: Test the cable

The cable has been tested already, and with reasonable care, is unlikely to suffer damage. However, you may have your electrician perform a test before tiling if you wish. It will automatically be tested by your electrician at a later date, at the time of connection.

Unroll the cable rather than pulling it sideways in loops, as this will form twists. Take care not to apply unnecessary tension at any time, especially at the end joins. When nearing the end, you may find it necessary to make minor adjustment to spacings in order to finish up where you intended.

The joins between the heating cable and the cold end cables must be enclosed within the floor.

Spray bands of contact adhesive across the cable runs about every 400mm and runs tapes across to secure the runs.

Important pre-wire information for the electrician