

It is important to involve your electrician. The mat 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 to . The thermostat needs to be mounted at around switch height in a location where it is exposed to the room conditions.

These mats are designed to be taped down over the underlay.

Step 1: Plan the layout

It is important to plan the layout first, as the mat cannot be either cut or lengthened. Since the mat is 500mm wide, you will be expecting to cover an area in square metres that is half the value of the mat length in metres.

The mat can be cut between the cable runs and turned back to run back and forth across the heated area in 500mm wide runs.

You do not have to worry about returning the end back to the starting point, as the mat is single-ended, with a 3 core cold supply cable attached to one end.

Step 2: Unroll and stick down the mat

Starting adjacent to the connection point, unroll the mat to the end of the first run. Then cut between the runs and **very carefully** around the cable and turn the roll around. The ends of the mat can now be taped to the underlay. The heating cable must be in contact with aluminium foil throughout. It may be taped over small sections of foil as a backing if necessary, at the turns.

Lay the return run edge-to-edge against the first run and run a tape lengthwise to hold them in place. Continue with further runs of mat until the end is reached.

By the time it is complete, the perimeter of the area should be taped to the underlay and all runs beside each other should be taped together.

Step 3: Fix down the cold end and thermostat sensor.

Where the cold end cable runs across the underlay to the wall, a cut should be made in the underlay along the cable path and the cable set down into the cut and taped over. This is to minimise the ridge beneath the carpet that would otherwise be more noticeable.

Remove the floor sensor from the thermostat box, and run this along side the cold end, leaving 200—300mm over at the mat end. It is important that the end of the floor sensor is then taped into position mid way between two cable runs.

Step 4: Draw the cold tails up the wall to the connection point

The cold end cable together with the sensor cable can now be drawn up through the wall cavity to the connection point—usually at the thermostat itself. Your electrician needs to be involved at this stage. Electrical authorities require that all connection work on fixed wired appliances (not plug-in) must be done by a licenced person.

Step 5: Test the mat

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

Step 6: Provide a warning to the carpet layer.

Carpet layers often have a need to make cuts in the carpet during the laying process. Emphasise the importance of them taking care not to do this over the cable.





Instructions:
under carpet mat
installation



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