



Electric Under Tile Heating

Installation Points

Preparation

1. The connection of the Heatwave under tile heating system must be done by a Qualified Electrician to an RCD or fused spur connected to an RCD
2. The Sub-straight (Floor) needs to be in good condition, with no Vertical Movement (Homelux insulation boards are not structural)
3. The Heat Mat can only be fitted to open floor areas.
4. The Heat Mat cannot be fitted under any fixed item – such as Kitchen units, Toilets, Baths & Showers (This causes a heat block)
5. The Heat Mat cannot be cut in length – select size smaller
6. The Heat Mat can be shaped to fit the space, making sure that the wires are kept to a minimum of 70mm apart.
7. Under no circumstances can excess Heat Mat be doubled up (folded on top of its self)
8. Multiple Heat Mats can be used up to a maximum of 5 per thermostat, but no more than 23 sq.m.
9. Multiple Mats run in parallel and should be joined in a junction box prior to wiring to the thermostat
10. Use Adhesive suitable for under tile heating
11. Insulation board should be used in all installations
12. Plan where the Heat Mat cold tail will need to be set under the floor/insulation board when using multiple heat mats (extend cold tail using junction box & cable)
13. Note; All of the red heat wire & first 25mm of cold tail must be set in tile cement under the tiles – Failure to do this will result in the heat wire over heating & burning out the cold tail connection
14. Plan the position of the Thermostat; it needs to be approx. 1.5m high. Thermostats cannot be fitted in a bath or shower room, they need to be fitted through to the other side of an interior wall, through conduit. When doing this, do not forget that the sensor wire follows the same route
15. Note; the cold tail to the thermostat & the sensor can be extended, where necessary.

Fixing

1. Cut insulation boards to size
2. Fix insulation board down in a brick pattern, using tile cement suitable for the sub-straight – although the Heat Mat cannot go under fixed items, the insulation board needs to go under all tiled areas.
3. Tape joints in the insulation board using Homelux Tape
4. Lay out the heat mat as described in **No.6** above
5. When you're happy with the layout of the mat, channel out the insulation board near to the thermostat location and fit the sensor in the tube provided with the mat, ensuring that the sensor is between 2 heated wires.
6. Remove the fixing tape backing on the mat and stick into position – when walking on the heat mat it is recommended to protect the wires with a suitable covering
7. **At this point the system needs to be connected, tested & the warranty forms filled out by a qualified electrician**
8. Once the system has been tested & is deemed to be working, the heat mat needs to be carefully covered with either self-levelling compound or tile adhesive & allowed to dry
9. When dry, tile as normal
10. Leave for 28 days before turning on the heat mat.