

Hotwire Under Carpet Installation Instructions

(All installations **MUST** be carried out as specified to comply with the manufactures warranty)

1. **Do not install unless connected to RCD Protection.**
2. Attempt to position mats in the largest area where solid furniture will not be placed. E.g. Either side of beds, or in the middle of a living area. For the correct lay out a site visit is generally required.
3. Before you install the UCH mats, check that the underlay has not been stapled to the substrate, or that any other protrusion is showing that may damage the mats. **If there are staples, these must be removed** or the manufacturers warranty will not apply. The “trade instructions” clearly state that such an application by the carpet layer, is not acceptable.
4. Roll out the Mat, taking into account where the cold tail is to be positioned in the room in relation to the thermostat position.
5. Once placed roll back 50% of the mat and apply hot glue in small sections to the back of the mat. Adhere element to the underlay and wipe over the element with your hands, ensuring there are no creases or bumps and repeat to other 50% of the mat. Tape down edges of all four sides of the mat to the underlay with duct-tape.
6. To limit the UCH “termination block” being felt, once the carpet is laid and to eliminate stress on the element, please follow the following instructions (Termination block = approximately = 15cm each side - where the label is placed)
 - Cut the underlay with a Stanley knife at the exact dimensions of the block area, until the block fits snugly and level with the underlay. The idea is to create the least amount of deviation in height between the block and the rest of the UCH mat.
 - Apply duct tape over the termination block area so to secure in place.
7. From the cold tail joint cut a line in the underlay back to the thermostat position and wedge the cold tail in the cut line. Endeavour to make the cold-tail lie flat.
8. Tape over the cold tail track to secure position. Ensure that the cold tail join is level with underlay.
9. Place the “slip cloth” over the UCH mat and position until there is a 100mm overhang on all sides of the mat.
10. Spot glue the Slip Cloth to the underlay, on all four corners and sides. It may be necessary to oversee the rolling out of the carpet to ensure that the carpet layer does not disturb, or damage the UCH installation.
11. Ensure that the heating mats switchboard sticker supplied, is placed in the switchboard.
12. To comply with Electrical Standards, **the installer must provide** a planned layout of rooms and position of all heating mats.

Very Important Notes:

- Where 2 mats are required please state, on any order, the length of cold tail if longer than 3 m. E.g. Hallways.
- Where possible, place cold-tails away from traffic areas, and track back along walls, to the thermostat position. For this purpose, you will need to allow for extra length of cold-tails when ordering your mats. Attention to design!!
- When ordering your UCH mats from the factory, indicate were you would like the termination placed... any corner, any side. Again, attention to design. This will help the termination block to stay away from traffic areas.
- UCH mats are not suitable for use on stairs.
- UCH mats should never be folded for transit only rolled.

Please note:

Hotwire UCH mats should only be used in conjunction with Hessian backed carpets or similar. It **is not suitable for foam or rubber backed carpets!** Very occasionally certain thinner carpets may show/feel an imprint of the heating mats through the carpet. Please check with your installer to ensure your carpet and underlay is suitable. The Heating Company will not take responsibility for any imprinting once the heating mats have been laid.

Wattage design is dependant on climate extremes and insulation factors. The Heating Mats are manufactured @ 170 watts/m². THC recommends the following –

North Island = 80 watts/m² of the total room area. (40-50% cover)

South Island = 100 watts/m² of the total room area. (65% cover)

Note: In colder climates and or where wooden floors present a higher wattage and cover is required

A 5 Year manufacturers product warranty applies and 5 year installation warranty by a Registered Hotwire Installer