

Commissioning Record

Heat Film

Please retain this record.

Installer

Name of Installer

Company

Phone Mobile

Date of Commissioning

Customer Name

Customer Address

Town/City

County

Postcode

Phone Mobile

Heat Film

Room Fitted in

Results

	Before Fitting Floor Covering	After Fitting Floor Covering
Insulation Resistance	Mat 1 <input type="text"/>	<input type="text"/>
Insulation Resistance	Mat 2 <input type="text"/>	<input type="text"/>
Insulation Resistance	Mat 3 <input type="text"/>	<input type="text"/>
Insulation Resistance	Mat 4 <input type="text"/>	<input type="text"/>
Insulation Resistance	Mat 5 <input type="text"/>	<input type="text"/>

Room Fitted in

Results

	Before Fitting Floor Covering	After Fitting Floor Covering
Insulation Resistance	Mat 1 <input type="text"/> (ohms)	<input type="text"/> (ohms)
Insulation Resistance	Mat 2 <input type="text"/> (ohms)	<input type="text"/> (ohms)
Insulation Resistance	Mat 3 <input type="text"/> (ohms)	<input type="text"/> (ohms)
Insulation Resistance	Mat 4 <input type="text"/> (ohms)	<input type="text"/> (ohms)
Insulation Resistance	Mat 5 <input type="text"/> (ohms)	<input type="text"/> (ohms)

15 Year extended warranty is provided on All Heat Film mats. In case of defective material, the supply of new material free of charge will be made to the customer.

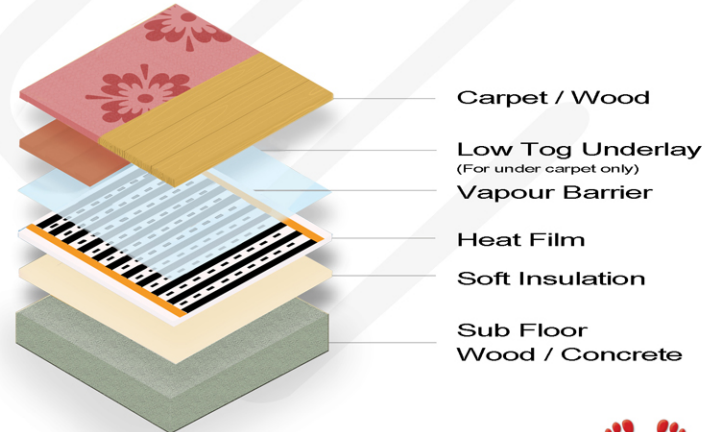
The warranty does not cover installations made by unauthorised electricians or faults caused by incorrect design by others / misuse/ damage caused by others / incorrect installation and any other subsequent damage that may occur.

Living Heat is under no circumstances liable for consequential damages or losses without limitation the loss or profit arising from any cause whatsoever. The guarantee covers the heating element only and does not cover field labour or floor material that is laid on top.

The warranty is void if there is any payment default or if details are not entered on control card.

Under Wood / Carpet Heating

Heat Film Fitting Instructions



HEAT FILM, INSTALLATION GUIDE

Please read the instructions fully prior to commencing the installation of your under floor heating.

General information

The Heat Film mats are prepared / custom made to the size as requested by the customer from information received. The cold ends can be shortened or extended if required, all wiring extensions must be carried out by a qualified electrician in accordance with current legislation.

The Heat Film mats can be shortened by cutting the mat at the cut end using scissors or a sharp knife, taking care not to expose the carbon element at any point. Suitable insulation tape must then be placed over the exposed copper conductor to avoid electrical shock and fully insulate the modified heat mat. Mat size reduction must be carried out prior to final fitting, and the mats must be disconnected from the power source. An electrical test of the adjusted mat must be carried out by an electrician. All mats must be connected in parallel. Please note, all under floor heating systems require an RCD within the electrical circuit they are connected to.

When installing carpet a low tog underlay should be installed followed by a good quality hessian backed carpet.

The mats must be connected in parallel either directly into the thermostat or via a junction box. (Please see diagrams below.)

The cold ends can be laid in grooves cut into the insulation for convenience and ease of fitting, the cold ends should not cross under or over the mats. It is advisable to label and identify the individual cold tails to the mats for ease of wiring. (The mats do not have a polarity.)

The thermostat probe should now be fitted to lay under the heat mat approximately 500mm into the floor and secured in position under the copper conductor (see Fig 1), a groove can be cut into the insulation for the probe. Do not place the probe under the black heating bars, under the insulation, or under an unheated area of flooring.

The mats should be connected and tested to ensure they are fully functional and not damaged in any way before laying the floor. The vapour barrier is then laid over the heating mats, (it is not necessary to cover the whole floor area with vapour barrier, only the heating mats).

The final floor covering should now be laid to minimise the time the heat mats are exposed as this will minimise the chance of damage to the mats. The mats should be continued to be tested during and after the floor installation process.

Do's and Don'ts

1. Never fold the heating mat.
2. The heating mat has to be spread on a smooth and even surface and can be held in place by a suitable adhesive tape if required.
3. Do not install the heating mat at a distance of less than 150mm from a fireplace or hot water pipe.
4. Do not install the heating mats in areas where zero clearance furniture is planned to be placed on the floor.
5. Do not power up the heating mats when they are folded or rolled up.
6. Do not install two heating mats one on another.
7. No other electrical cables or pipes should be installed directly under or above the heating mats.
8. Under floor heating mats are designed for indoor use only.
9. Do not exceed the recommended max temperature of the floor covering installed over the heating.
10. Make sure to accurately install the floor probe and when installing wood, laminate or carpet flooring always run the thermostat using only the floor sensor to regulate the heating so not to overheat the floor covering.
11. Make sure to monitor the whole heated area to make sure there are no areas with excessive heat build up.
12. Do not install the Heat Film in wet areas such as bathrooms.
13. Always make sure to check the mats before, during, and after installation of the floor covering.
14. Do not install the heating mats directly over a foil backed insulation material.
15. Always join multiple mats in parallel (never in series).

Mat layout method.

The entire sub floor should be even, dry and ready to accept the flooring, under floor heating is not to be used to dry a floor or any part of it.

The floor should be clear of all dirt and dust. The entire area to be covered with flooring must be covered with the 6mm dense cross linked foam insulation. This can be supplied if required to give an overall even surface. This can be tacked with double sided tape or glued to the floor to assist in keeping the insulation in place while placing the heating mats and subsequent floor laying operation.

The next step is to lay the heat mats making sure to leave a small unheated border around the edge of the floor area. The mats can be butted together but cannot be overlapped at any time.

The mats should be evenly placed to cover the desired area to be heated. The mats can be held in place by the use of heat resistant tape such as Gaffa Tape.

When installing carpet a low tog underlay should be installed followed by a good quality hessian backed carpet. Laminate and wood floor coverings can be laid directly over heat mats and vapour barrier.

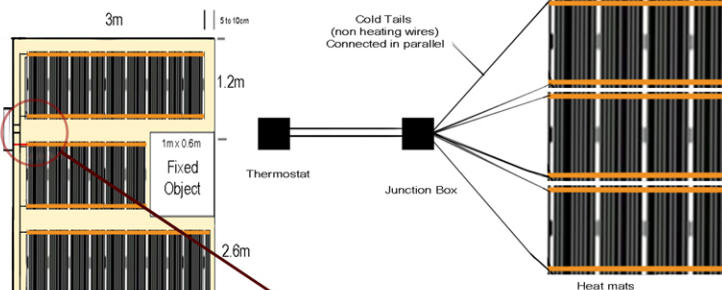


Fig 1

