

Maintenance & Installation Instruction for Ecoflex Heating foil for Caravan and Mobile home

Read through the entire instruction before starting to install.

Installation

1. Carefully clean the underlay by vacuuming and washing the floor. No sharp objects must protrude from the underlay.
2. Roll out the complete length of the foil element. Lay the foil so that the cable connections are not affected by people walking over them. Secure the foil against the underlay using tape, so that half the width of the tape covers the foil and the other half covers the underlay. All sides of the foil should be secured with tape so that all edges are completely sealed. Also see point 7, operating test.
3. Cover the foil with a carpet. The carpet acts as a mechanical protection and helps to improve heat distribution.
4. **The transformer should be placed in a well ventilated area**, (wardrobe, bed drawer or the like.)
5. Adapt the length of the connection cable and connect the cable to the terminal block on the secondary side of the transformer. If you are using several foils these are connected in parallel on the terminal block.
6. The transformers 250 and 350 VA are equipped with a switch 0-42-48V, miniature circuit-breaker and operating status lamp. In position 0, the power is switched off. In position 1 is the power output 60W/m². In position 2 is the power output 80W/m².
On the 500 VA transformer, switching is done using the terminal inside the transformer. One wire is connected to the zero terminal, the other to the 42 or 48V terminal, this then gives an output of 60W/m² respective 80W/m².
7. The transformer is connected to 230V (wall socket). As the foil has a relatively low output, it can take a few hours before the heat is felt. The foil must be covered to feel the heat. An operating test can be made on the foil, by rolling it up. **Switch off the power as soon as you feel the heat. When rolled up the foil becomes warm very quickly and there is a risk of overheating.**
8. The floor area must not be covered with an insulating material such as cushions, mattresses or porch awnings. If covered the temperature will rise and the flooring can become discoloured or damaged.

Maintenance and operation

Clean the foil with water or a mild soap solution. Let the foil remain on the floor. The power must be disconnected when cleaning. Turn the switch to 0 or pull out the transformer plug.

If the floor does not become warm: Check that the switch is in position 1 or 2 and the red lamp is on. If not, (1) press in the miniature circuit-breaker on the transformer, (2) check that the plug is in the wall socket, (3) check whether any fuses have blown in the distribution box.

As floor heating is a supplement to the primary heat source the temperature in the caravan must be at a normal level, i.e. 18 – 22°C, for the floor to feel warm.

The foil must **not** be folded. When dismantling the foil element should be rolled up with the copper strip facing outwards.

