



**Megawarm**<sup>®</sup>

# Electric Underfloor Heating for Carpet/Vinyl

INSTALLATION MANUAL



**For Carpet & Vinyl floor coverings**  
(Always check with floor manufacturer)



A photograph of a room during renovation. On the left is a brick fireplace with a white mantel. The floor is covered with orange underlayment and silver insulation. A blue text box is overlaid on the right side of the image.

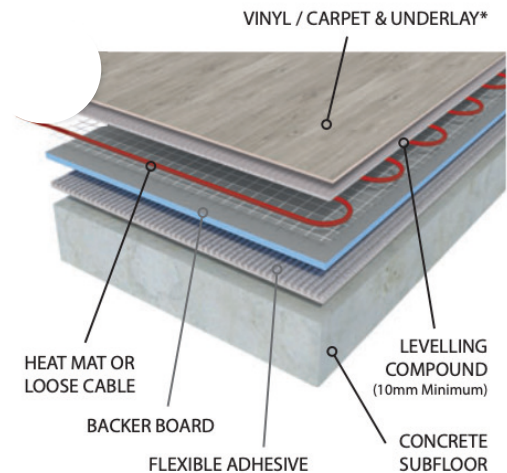
## for carpet & Vinyl floor coverings

- 
-  Carpet
  -  Karndean
  -  Amtico
  -  Quickstep vinyl planking

# Methods for Installing Electric Underfloor Heating System Under Vinyl Floor/Carpet & Underlay:

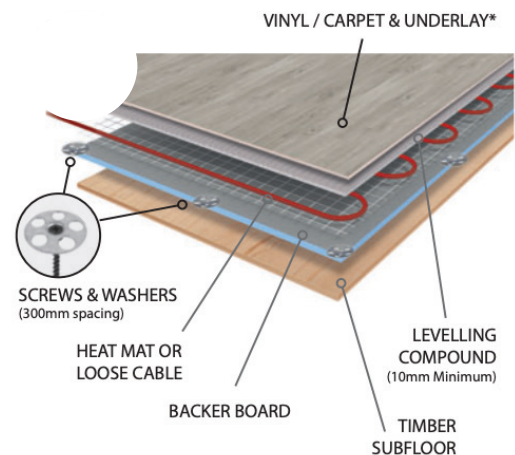
## 01 Underfloor Heating Mat with Levelling Compound

For this approach, place a traditional underfloor heating mat on a stable insulation board and cover it with a 10mm deep levelling compound. This ensures uniform heat distribution before warming the vinyl floor covering.



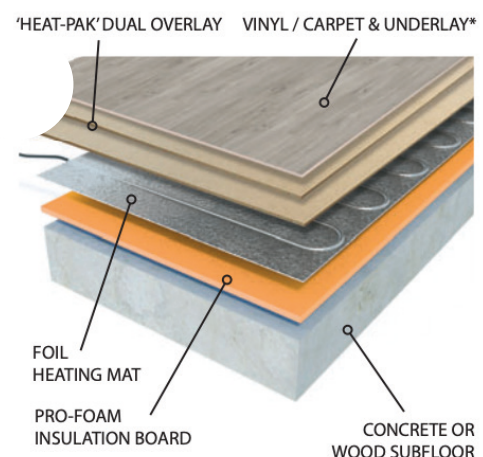
## 02 Tile Backer Boards with Mat or Cable

This option is suitable for timber substrate floors. Secure 10mm tile backer boards using screws and washers at 300mm intervals. Lay a heat mat or loose cable, followed by a 10mm depth of leveling compound. Finish with vinyl floor tiles or carpet and underlay.



## 03 ProFoam Insulation Boards with Heat-Pak Dual Overlay Boards

This method involves using ProFoam insulation boards, the underwood heating kit, and a floating Megawarm® Heat-Pak Dual Overlay board system. This combination creates a flat surface ideal for installing vinyl flooring. Note that carpet & underlay should not exceed 2.5 tog.



## Option 1 & 2

### Installation Guide for Luxury Vinyl using Levelling Compound

**(Please follow the Installation Manual for laying insulation and mats)**

1. Ensure the subfloor is secure and free from dust and debris. For wooden subfloors, consider reinforcing with plywood to accommodate cementitious products.
2. Apply Ultra Prime or a suitable primer to the subfloor.
3. Attach tile backer boards using flexible tile adhesive. Use screws and washers for timber subfloors.
4. Prime the upper surface of the tile backer boards with Ultra Prime or an appropriate primer.
5. Lay the heating mat or cable across the floor area, ensuring complete coverage in the desired heating zones.
6. Apply an 8-10mm layer of leveling compound, like Ultra Levelit2 (Refer to Step 12 in the installation manual).
7. Allow the leveling compound to dry per the manufacturer's instructions (usually 24-48 hours) before laying the floor covering.
8. Proceed with laying the luxury vinyl floor finish.
9. After floor installation, wait a minimum of 2 weeks before activating the heating system. Gradually increase the temperature, setting it to the desired floor temperature.

## Option 3

### Installation Guide for Luxury Vinyl using Heat-Pak Dual Overlay Boards

**(Please follow the Installation Manual for laying insulation and mats)**

1. Ensure the subfloor is secure and free from dust and debris. Level uneven floors, reinforcing wooden subfloors with plywood, or using suitable leveling compounds for concrete subfloors.
2. Lay Pro Foam (orange) boards in a brick bond pattern on the subfloor and securely tape the joints.
3. Place the Underwood foil heating mat on top of the Pro Foam insulation boards and securely tape it down.

- Prior to installing Heat-Pak overlay boards, allow them to acclimate for 48 hours. Follow Heat Pak instructions carefully for board installation.

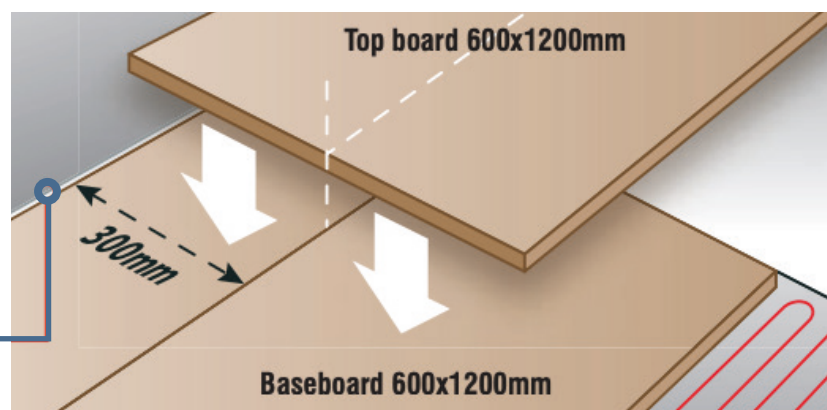
**Note:** Follow previous instructions for installing top boards and finishing the floor.

## HEAT PAK Installation

### Baseboard:

- From the first row of baseboards by halving boards lengthwise and placing the cut edges towards the wall.
- Begin with a piece cut to  $\frac{3}{4}$  of its length, both cut edges against the corner walls. Place other pieces end to end along the wall with adhesive side up, protecting the film.
- Maintain an 8-10mm expansion gap around the perimeter, pipes, and fixed objects. This also applies to the final floor finish.
- Lay the second row of baseboards in the same direction as the first row. Start with a  $\frac{1}{4}$ -length board against the wall.
- Place a full-sized baseboard end to end with the cut piece adjacent to the first row. Start the third row using the large off-cut.
- Keep the protective film on and maintain a clean workspace.
- Proceed to install top boards in the same direction as baseboards, adhesive side facing down.

Cut first baseboard down to 300x1200mm and place against wall with a 8-10mm expansion gap

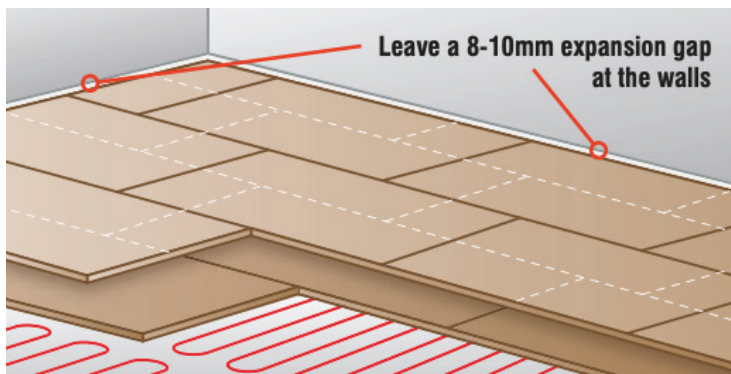


# Heat-PAK Installation (cont'd)

## Top Boards

### Finish

1. Lay top boards in the same direction as baseboards. Position the full-sized first board into the corner, overlapping both first and second baseboard rows.
2. Peel back plastic film from baseboards it will cover, ensuring not to remove excess film. Adjust the top board for alignment and fix it in place by tapping down.
3. For the best result, ensure tight joints between top boards. Start the second row of top boards with a half-length piece and push edges tightly before tapping down.
4. Add further boards to maintain straight lines and prevent gaps.
5. Glue the final floor finish to the boards within 48 hours due to humidity influences.
6. Leave an expansion gap of 8-10 mm and 16 mm in door openings when continuing Dual Overlay in adjoining areas.



After 48 hours, gradually activate the heating system, setting it to the desired floor temperature.

**Note:** Always adhere to manufacturer guidelines and consult professionals for electrical and installation work.

## Need Help?

Kindly send an email or call your friendly Megawarm® Supplier!

