



# Electric Underfloor Heating for Carpet/Vinyl

INSTALLATION MANUAL



For Carpet & Viny floor coverings  
(Always check with floor manufacturer)





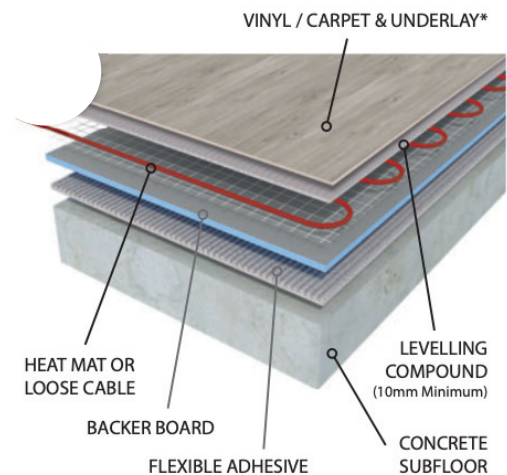
## for carpet & Vinyl floor coverings

- 
- ✔ Carpet
  - ✔ Karndean
  - ✔ Amtico
  - ✔ Quickstep vinyl planking

# There are three primary methods to install an electric underfloor heating system beneath a vinyl floor/carpet & underlay:

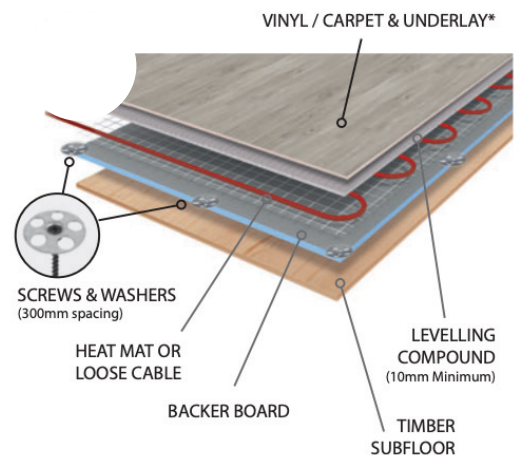
## 01

The first option involves placing a traditional underfloor heating mat on a fixed insulation board, covering it with a 10mm deep leveling compound. This ensures even heat distribution before warming the vinyl floor covering.



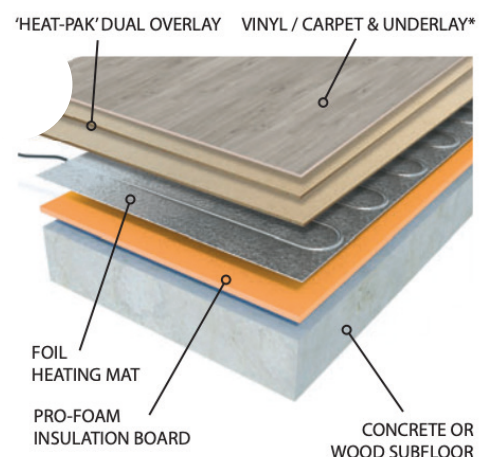
## 02

The second option is applicable to a timber substrate floor, where 10mm tile backer boards are fixed using screws and washers at 300mm intervals. A heat mat or loose cable is used, followed by a 10mm depth of leveling compound. The floor can then be finished with either vinyl floor tiles or carpet and underlay.



## 03

The third option includes using ProFoam insulation boards, the underwood heating kit, and a floating Gorilla® Heat Pak Dual Overlay board system. This combination creates a flat surface, ideal for installing the vinyl floor. Please note that carpet & underlay must not exceed 2.5 tog.



## Option 1 & 2

### Installation Guide for luxury vinyl using levelling compound

**(Please adhere to 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 make it suitable for cementitious products.
2. Apply Ultra Prime or an appropriate primer to the subfloor.
3. Fix the tile backer boards to the subfloor using flexible tile adhesive. If applying to a timber subfloor, use screws and washers as well.
4. Prime the top of the tile backer boards with Ultra Prime or a suitable primer.
5. Lay the heating mat or cable across the floor area, ensuring full coverage in the desired heating areas.
6. Cover the heating cable with a layer of 8-10mm levelling compound. We recommend Ultra Levelit2. (Refer to Step 12 in the installation manual.)
7. Allow the levelling compound to dry as instructed by the manufacturer (usually 24-48 hours) before laying the floor covering.
8. Proceed to lay the luxury vinyl floor finish.
9. After laying the floor, wait for a minimum of 2 weeks before turning on the heating system. Gradually increase the temperature, ensuring it's set to the floor temperature.

## Option 3

**(NOT suitable for Bathrooms or Wet Rooms)**

### Installation Guide for luxury vinyl using Heat-Pak Dual Overlay Boards

1. Ensure the subfloor is secure and free from dust and debris. If the floor is uneven, consider levelling it first. For wooden subfloors, you may need to reinforce with plywood. For concrete subfloors, use a suitable levelling compound.
2. Lay the Pro Foam (orange) boards onto the subfloor in a brick bond fashion and securely tape the joints to keep the boards in position.
3. Place the Underwood foil heating mat on top of the Pro Foam insulation boards and tape it down securely.

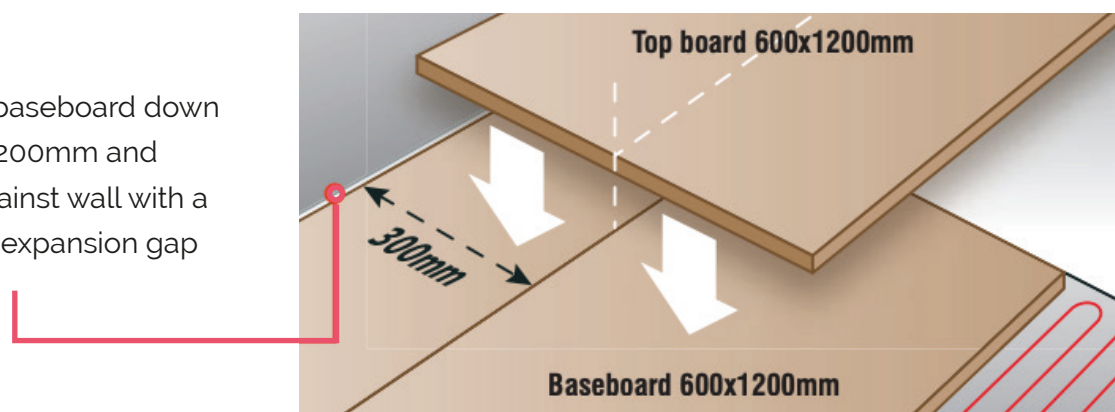
4. Before installing the Heat-Pak overlay boards, allow them to acclimate to the room's conditions for 48 hours. Follow the Heat Pak instructions carefully on how to install these boards.
5. **(Note:** The subsequent steps for installing the top boards and finishing the floor remain the same as mentioned in the previous instructions.)

## Heat-PAK Installation

### Baseboard:

1. The first row of baseboards is formed by splitting boards in half lengthways and placing the cut edges towards the wall.
2. The first piece is cut to  $\frac{3}{4}$  of its length with both cut edges against the walls in the corner. Arrange the other pieces end to end along the wall with the adhesive side up, keeping the protective film in place.
3. Maintain an expansion gap of 8-10 mm around the perimeter and also around pipes and other fixed objects. This gap requirement also applies to the final floor finish.
4. For the second row of baseboards, lay the boards in the same direction as the first row.
5. Begin the second row by cutting a board to  $\frac{1}{4}$  of its length and placing it with the cut end against the wall, next to the first row.
6. Place a full-sized baseboard end to end with the cut piece, adjacent to the first row. Use the large off-cut to start the third row of baseboards.
7. At this stage, do not remove the protective film and ensure the workspace remains clean and free from dust.

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



# Heat-PAK Installation (cont'd)

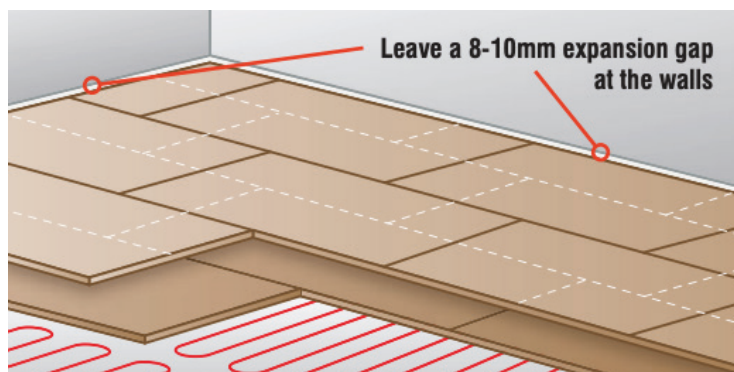
## Top Boards

### Finish

1. Lay the top boards in the same direction as the baseboards, but with the adhesive side facing down. Position the first board of this row, which is full-sized, into the corner, overlapping both the first and second rows of baseboards.
2. If the board fits neatly into the corner, no trimming is needed. In such cases, lift it out slightly and peel back the plastic film from the baseboards that it will cover.
3. Be cautious not to remove more film than necessary for accommodating the top board on the adhesive. Carefully reposition and adjust the top board for alignment. Check the baseboards for any gaps and make adjustments if needed. Finally, fix the top board in place by tapping down with the rubber mallet.

Now that you have installed the HEAT-PAK Dual Overlay boards, you have two options for the final floor finish. You can either glue your final floor finish to the boards as a final layer or lay it freely upon them. Before installing the final floor finish, test the Gorilla® foil heater(s) and floor sensor to ensure no damage has occurred during installation.

This method of installation ensures a stable surface for the floor finish to rest on, preventing any joints from showing through the final floor finish. For the best result, keep the joints between the top boards as tight as possible. Start the second row of top boards with a half-length piece, followed by a full board, and push all edges lightly together before tapping down. Add further boards alternately to the first two rows to maintain straight lines and prevent gaps from developing. Ensure the floor covering on the Dual Overlay is glued within 48 hours due to possible influences of air humidity.



Each room should be fixed separately, leaving an expansion gap of at least 8-10 mm and 16 mm in door openings when continuing Dual Overlay in the adjoining area. If gluing the floor covering onto the total surface, ensure it does not exceed the edges of the HEATPAK Dual Overlay Boards.

Following this method of installation will provide a stable surface for the floor finish and avoid any joints showing through the final floor finish.

Finally, install the vinyl flooring on top following the manufacturer's instructions. After 48 hours, you can turn on the heating system gradually, building up the heat. Ensure the thermostat is set to floor temperature or has a floor temperature limit set.



## **Need Help?**

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