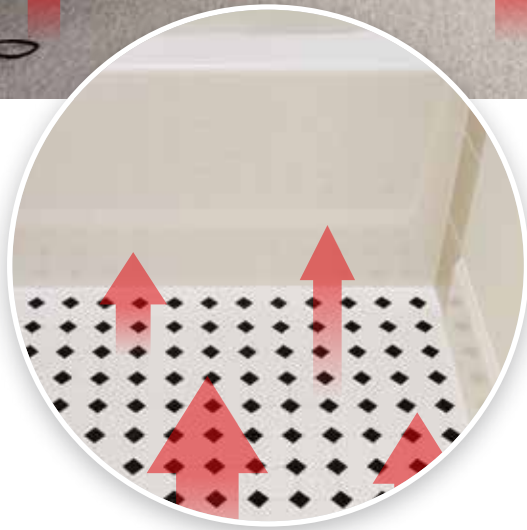


ELECTRIC UNDERFLOOR HEATING INSTALLATION FOR **CARPET / VINYL**

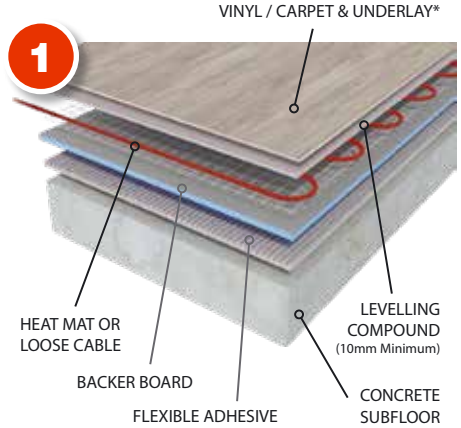


**For Carpet & Vinyl  
floor coverings**

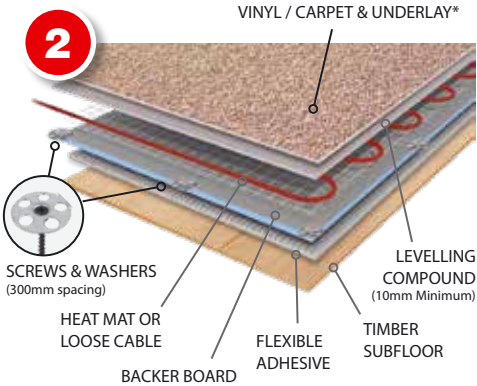
- ✓ Carpet
- ✓ Karndean
- ✓ Amtico
- ✓ Quickstep  
vinyl planking

# There are three main methods of installing an electric underfloor heating system beneath a vinyl floor/ carpet & underlay

**The first option** is to install a traditional underfloor heating mat onto an insulation board, that has been fixed down, and to cover this heating mat under a 10mm deep levelling compound, allowing the heat to dissipate evenly before warming through the vinyl floor covering.



**The second option** with a timber floor is to fix a Tile Backer Board with flexible tile adhesive and in addition fixed with screws and washers at every 200mm spacing, using the sticky mat or loose cable. Cover with a levelling compound (Min 10mm Depth) and allow to dry. Cover with either vinyl floor tiles or carpet and underlay.



**The third option** is using the insulation boards, the underwood heating kit and a floating Heat Pak Dual Overlay board system over the top to create a flat surface ready for the vinyl to be installed.

**\*Carpet & underlay must not exceed 2.5 tog**



## OPTION 1 & 2

### Installation Guide for luxury vinyl using levelling compound

(Please follow Install manual for laying of insulation and mats)

- Ensure subfloor is secure and free from dust and debris. If wooden subfloor, this may need reinforcing with plywood first to make suitable for the cementitious products.
- Prime the subfloor with Ultra prime or a suitable grade of primer.
- Fix the tile backer boards to the subfloor using a bed of flexible tile adhesive, use screws and washers in addition if applying to a timber subfloor.
- Prime the top of the tile backer boards with Ultra prime or a suitable grade of primer.
- Once the primer has dried lay the heating mat or cable across the floor area ensuring that you have covered all areas that you wish to heat.
- Cover the heating cable with a bed of 8-10mm of levelling compound – Ultra Levelit2 is recommended. (refer to Step12 in install manual)
- Allow the levelling compound to dry as per manufacturer's instructions (normally 24-48hours before laying floor covering).
- Lay the floor finish.
- Once the floor has been laid, wait at least 2 weeks before turning the heating system. When you turn the system, ensure this is done gradually and it must be set to floor temperature.

## OPTION 3 (NOT suitable for Bathrooms or Wet Rooms)

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

(Please follow Install manual for laying of insulation and mats)

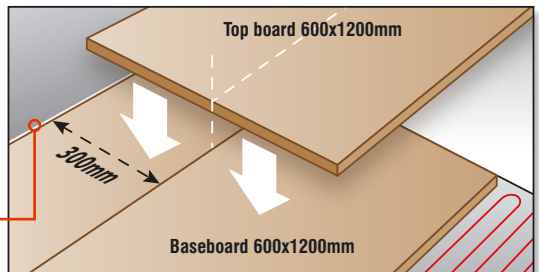
- Ensure subfloor is secure and free from dust and debris. If the floor is uneven this may need levelling first, if wooden subfloor you may need to reinforce with plywood. If concrete subfloor you can use a suitable levelling compound.
- Lay the Foam boards onto the subfloor in a brick bond fashion and tape the joints to keep the boards in position.
- Lay the Underwood foil heating mat, tape this down to the xps insulation boards.
- Install the Heat Pak overlay boards on top of the heating mat. These boards should be climatized to the room for 48 hours before installing. Please follow the Heat Pak instructions on how these should be installed.

## HEAT PAK Installation

### Baseboard

- The first row of baseboards is created by splitting boards in half lengthways and turning the cut edges towards the wall.
- The first piece is shortened to 3/4 of its length with both cut edges against the walls in the corner. Lay out the other pieces end to end in a line along the wall, adhesive side up, leaving the protective film in place.

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

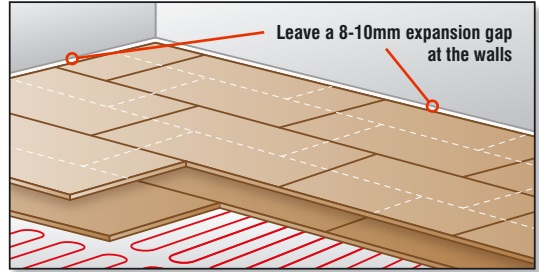


- Leave an expansion gap of 8-10 mm all around the perimeter and around pipes and other fixed objects, this also applies to the final floor finish.
- Boards in the second row are laid out in the same direction as the first row.
- Start by cutting a board to 1/4 of its length and place this piece, with the cut end to the wall, next to the first row.
- Now place a full sized baseboard end to end with it and alongside the first row. The large off-cut will be used to start the third row of baseboards.
- Do not remove the protective film at this stage and keep the job clean and free from dust.

# HEAT PAK Installation (cont'd)

## Top Boards

- The top boards are laid in the same direction as the baseboards, but with the adhesive side down. The first board of this row is full size and positioned into the corner overlapping both the first and second rows of baseboards.
- If the board fits neatly into the corner no trimming is required, in which case it can be lifted out and the plastic film can be peeled back from the baseboards that it will cover.
- Avoid removing more film than is necessary to accommodate the top board on the adhesive. The top board is carefully repositioned and adjusted for alignment, at the same time the baseboards should be checked for any gaps and adjusted if required; finally the top board is fixed in place by tapping down with the rubber mallet.
- For the best result it is important to keep the joints between the top boards as tight as possible. The easiest way to achieve this is by starting the second row of top boards with a half-length piece, followed by a full board and pushing all the edges tightly together before tapping down.
- Adding further boards, alternately, to the first two rows keeps the lines straight and so prevents gaps from developing.
- Due to possible influences of air humidity, glue the floor covering on the Dual Overlay no later than 48 hours.
- Every room should be fitted separately, leaving an expansion gap of at least 8 -10 mm and 16mm in door openings when Dual Overlay is continued in the adjoining area.
- If the floor covering is to be glued onto the total surface and should not to exceed the edges of the Dual Overlay Boards.
- This method of installation will provide a stable surface for the floor finish to rest on and avoid any joints showing through the final floor finish.



## Finish

Now you have installed the Dual Overlay boards you can either glue your final floor finish to the boards as a final layer or simply lay it freely upon them. Before installing the final floor finish test the ProWarm™ foil heater(s) and floor sensor to ensure that no damage has occurred during the installation.

This method of installation will provide a stable surface for the floor finish to rest on and avoid any joints showing through the final floor finish. Now you have installed the Dual Overlay boards you can either glue your final floor finish to the boards as a final layer or simply lay it freely upon them.

Before installing the final floor finish test the foil heater(s) and floor sensor to ensure that no damage has occurred during the installation.

- Install the vinyl flooring on top as per manufacturer's instructions.
- After 48 hours you can turn the heating system on, gradually building up the heat.

**You must ensure the thermostat is set to floor temperature or has a floor temperature limit set.**

