



klima

underfloor heating systems

THERMAL FLOOR BOARD KIT

INSTALLATION INSTRUCTIONS



Thermal boards

The Thermal board is lightweight and is made of extruded white polystyrene hard foam. Based on a coating with a plasticised mortar and a stabilising inlay of glass fibre on both sides which gives a weatherproof sub-base for the direct application of underfloor heating and ceramic tiles. The thermal board is highly resistant to water and moisture. Even if permanently exposed to humidity, swelling, rotting and warping is impossible. The boards provide a high level of insulation and will stop heatloss and keep the room warm for longer.

Application

The thermal boards are suitable for domestic and commercial use. The boards are ideal for areas such as bathrooms, shower rooms and wet shower cubicles, kitchens and conservatories and in any other area where water and moisture can cause problems. The boards are very light and user friendly. They can be cut with a fine tooth saw, a Stanley knife or a keyhole saw. We recommend that when cutting the thermal boards, suitable face masks, eye goggles and gloves are worn to protect from dust inhalation and ingress of dust to the eye and cuts and abrasions.

Thermal board dimensions

600 x 1000 x 10 mm or 600 x 1000 x 6 mm

Necessary materials

- straight edge
- spirit level
- tape measure
- stanley knife
- keyhole saw
- screwdriver/gun
- filling knife
- notched tile adhesive trowel

Floor preparation

The thermal boards are manufactured under strict quality control conditions. It is important that no attempts are made to modify the boards in any way and that they are laid on a flat smooth floor with no irregularities. Ensure that the floor area on which the panels are to be laid is flat and free from sharp edges or projections. On wooden floors make sure that there are no nails or screw heads protruding. If the timber floor is unstable and there is movement, the floor should be covered with plywood of minimum thickness of 15mm firmly secured at 300mm centres. Concrete floors should have a smooth floated finish. Floors must be completely dry, clean and free from grease and other adhesives or contaminants.

How to install the Thermal board kit

1. Ensure the concrete/screed base is fully cured before installing (a new floor normally takes 30 days minimum to dry). Timber floors - ensure all floorboards are fixed and there is no unevenness.
2. Please allow for expansion, therefore use thin foam or leave a 3mm gap around the perimeter of the room.
3. Ensure that the base floor is clean and there are no protrusions. It's recommended to us a primer to ensure a good bond between the floor and adhesive.
4. Apply a flexible cement based tile adhesive to the floor. (Follow tile adhesive manufacturer's instructions).
5. Using a notched trowel, spread the adhesive in one direction.
6. Lay the panels into the adhesive with staggered joints. Use a straight edge and spirit level to ensure good alignment. Lightly butt the boards together.
7. For timber floors - Secure with Thermal Board Kit fixings at a rate of four per board. Make sure the fixings are a minimum of 30mm from the edge of the board.
8. For timber floors - Tighten Thermal Board Kit fixing to the board's surface then drive the washer flush to the surface using a

- rubber mallet. Re-tighten the screw. Make sure that the floor is level then leave the adhesive to dry out.
9. Fill the gaps between Thermal Board Kit boards with the adhesive.
 10. Strengthen the joints with the joint tape supplied and embed into the wet adhesive and allow to dry
 11. The Klima mat is now ready to be installed. Please follow the Klima mat instructions carefully.
 12. Lay tiles using the correct flexible adhesive for the tiles selected (check with tile supplier).
 13. Grout the tiles using a suitable flexible floor grout.
 14. Allow the floor sufficient drying time

before you turn on the floor heating. For tiled floors a drying time of 3-4 weeks after installation should generally be observed. Consult the supplier/manufacturer regarding the applicable drying time for the product.

Technical support

If you have any questions or require more information then you can contact the support line Monday to Friday from 9am to 5pm: **0871 - 321 0411**
send an email with your question to:
TECHNICAL@KLIMA.CO.UK
or visit our website at:
WWW.KLIMA.CO.UK





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