

# KLIMA

## KLIMA UNDERFLOOR HEATING LTD

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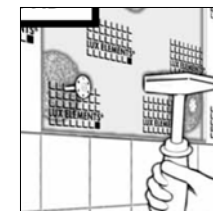
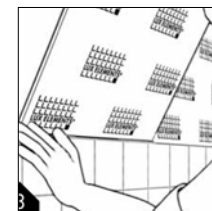
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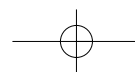
## THERMAL WALL BOARD KIT



- 4,8 SQM COVERAGE
- ROT & WARP-RESISTANT
- READY TO RECEIVE TILE ADHESIVE



## 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 heat loss 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:**

600mm x 1000mm x 10mm (10mm board to be used on uneven wall surfaces & stud walling/partitions).  
600mm x 1000mm x 6mm (6mm board to be used on flat wall surfaces).

**Thermal Insulation:**

The thermal conductivity of the board = 0.035 W/mK

**Necessary Materials:**

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

**HOW TO INSTALL****Thermal board to flat wall surface:**

If the wall is flat and clean, you can bond the board directly to the wall. (Minimum thickness of board is 6mm.)

1. The adhesive can be applied to the wall or applied to the back of the board using a 6mm square notched trowel.
2. Using the trowel, create a straight ribbed adhesive bed.
3. The board can be applied to the wall and tapped true.
4. All boards are butt-jointed.
5. Allow for the adhesive to harden and set before using the jointing tape. (see 'How to tape joints')

**Thermal board to an uneven surface:**

The board to be used on an uneven wall must be 10mm (minimum).

1. The adhesive is to be applied to the wall surface in dabs or perimeter strips.
2. The board can be applied to the wall and tapped true to ensure a good contact and even surface.
3. All boards are butt-jointed.
4. Allow for the adhesive to harden and set before using the jointing tape. (see 'How to tape joints')

**Thermal board to stud walling/Partitions:**

The board thickness for wood or metal stud partitions is 10mm (minimum).

1. The wood or metal framework must be at maximum 300mm centres. All board edges must be supported.
2. The boards are fixed to the framework using a proprietary washer and screw. 6 fixings per board - 3 per batten to be used.
3. Please ensure washer and screw are tightened to board.
4. All boards are butt-jointed.
5. Allow for the adhesive to harden and set before using the jointing tape. (see 'How to tape joints')

**How to tape thermal board joints:**

The adhesive used to bond the boards to the wall should be allowed to set and harden. Apply the tape provided evenly along the board joints and apply a fresh layer of adhesive using a trowel or similar. Ensure there is no air bubbles and unevenness when applying adhesive. Once the adhesive has set, the tiles can be applied to the boards using a suitable tile adhesive.

**Tile fixing:**

Tiles can be fixed to the boards once the adhesive fixing the boards to the wall has set and hardened. Always use a suitable tile adhesive. When tiling in wet areas, tiles should be fixed using a thin solid bed method to prevent voids. Once the adhesive bonding the tiles to the boards has set and hardened, a suitable grout can be used. Movement joints in the tile bed should be sealed with a suitable sealant.

**Technical Support:**

If you have any questions or require more information then you can:

- Contact the supportline Monday to Friday from 9am to 5pm **0870 411 1115**;
- Send an email with your question to: **technical@klima.co.uk**
- Visit our website for more information and other products at: **www.klima.co.uk**

