

## Quickheat Tile Heating

Quickheat floor heating is the best choice of heating for your ceramic or porcelain tiles. The system is 100% safe and waterproof. This makes Quickheat ultimately suitable for wet areas like bathrooms or kitchens. Natural stone flooring like marble and slate turn comfortably warm with the radiant heating system bringing you comfort without compromising your choice of flooring, this modern solution is durable, reliable and safe.

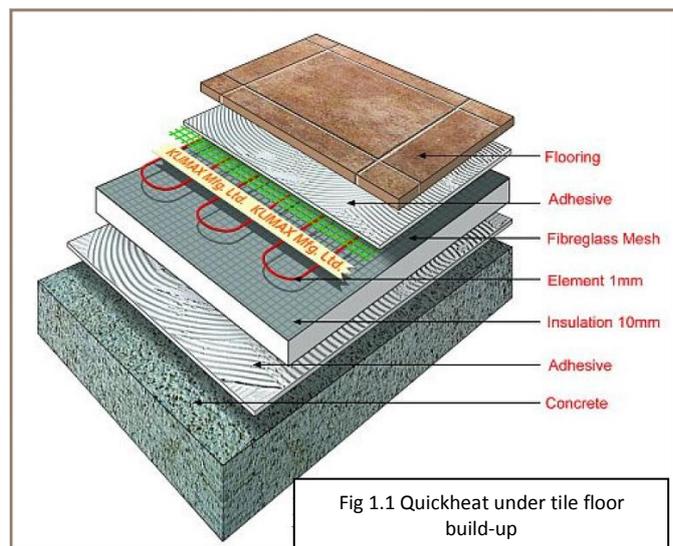
The success of the product lies in the thinness of the 1mm thick heating element which does not affect the floor levels in existing and new buildings. The heating element and the fibreglass mesh covering it, is absorbed in the thickness of the tile adhesive. Located just below the surface, it offers on-demand heating within 30minutes.

Insulation may be installed on top of the screed to decrease downward heat loss into the cement slab and increase efficiency and response time of your heating system.

Most modern cement based adhesives incorporate additives which give them flexibility. The use of rubber based adhesives is therefore not a prerequisite for tiling over floor heating. The heater installation process is as follows before tiling can proceed.

Please consider this process when planning your tiling:

Where a sand/cement screed/topping is planned, the heating must be installed on top of the screed/topping. The floor is vacuumed and a coating of "Boncrete" or other bonding liquid is applied.



When dry: **Smooth concrete or fibreglass with waterproofing:** the backing paper in the tape is removed; the heater is stretched flat and stuck down on the surface. The heater is covered with an adhesive fibreglass mesh. The total thickness of the heating system is less than 1.5mm.

**Sand/cement screed/topping:** in order for the tape to stick well to a sand/cement screed, it must be a good 1:4 cement/sand mix, trowelled smooth and allowed to dry properly. It is not possible to stick the heater down on moist screed/toppings or weak and dusty sand/cement screed/toppings.

**Timber construction:** Tile underlay sheets must be installed over the timber floor. The heater and mesh is stuck to the cement sheeting.

A thin protective self levelling screed can be applied prior to tiling.

Use standard cement based flexible tile adhesive, which must be carefully applied with a trowel, taking care not to press down too hard but ensuring full adhesive penetration through the mesh. Work carefully to avoid damage to the heater by cutting tiles off the heater and removing excess adhesives in the tile joints before drying. Scraping out the excess adhesives later before grouting could damage the heater. Do not cut expansion joints in the tiles with an angle grinder. Allow 7 days for the grouting to dry before turning on the heaters.

A tiling monitor is attached to the heater which must remain connected to the heater until the grouting has been completed.

**IMPORTANT: ALL FIXED WIRING INSTALLATIONS MUST BE CONNECTED BY AN ELECTRICIAN!**

## Step by step installation

Heating element is unrolled and taped down to slab/cement sheeting.



Adhesive mesh is laid on top of the heating element.



Thin self-levelling screed is applied (if required).



Floor is then tiled.

