

What is under tile heating?

Under tile heating is a form of electric in floor heating suitable for use under ceramic, slate, marble and stone tiles.

Under tile heating may also be known as:

- On demand tile heating – because the heating is delivered when and where it's required. It may be programmed to switch on at a specific time or turned on manually. Each room or zone has its own thermostat control.
- Quick response tile heating – because the heating warms the floor quickly and does not need to heat up overnight. It can be used to achieve a warm floor effect or to heat the whole room.
- Inscreed heating – because the electric elements are covered by a thin screed of cement which allows an even spread of heat and provides protection to the system. Inscreed heating can be installed over an existing concrete or timber floor.
- Tile heating – because systems work more effectively under hard, tiled surfaces, however they can also be installed within a minimum 15mm screed for use under carpet.

Under tile heating may be used alongside slab heating in new homes and is often used in extensions or renovations where a new slab is not an option.

Under tile heating may be used alongside other systems such as ducted gas heating, split systems or solid fuel heaters. It may be used as the primary heating system; however this may lead to increases in energy bills.

Under tile heating is ideal for all wet areas, particularly bathrooms and kitchens. It is also suitable for living areas with large expanses of tiles and can be economical to run if used to achieve a warm-floor effect rather than as the primary heat source.

Running costs will depend upon

- Time of day in which the heating is used. Generally, off peaks rates apply between 11pm-7am and all day during weekends. Allow approx. 30 minutes for the room to reach programmed temperature.
- Application – if used in a large living room, consider aiming for a warm floor effect alongside a primary heating system. In a kitchen or laundry, maintain specific operating times with consideration for off peak times such as mornings and weekends.
- Design and décor of the home. Quality insulation and window coverings will help keep down the cost of heating the home. Where under tile heating is used in specific rooms, running costs will be reduced by keeping doors closed, eg: ensuite bathroom door closed from bedroom area.