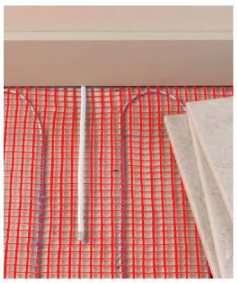
## Installation

Due to the number of differing element sizes available, ***Thermatile*** is easily installed into any size or shape of room. Due to the unique stitching of the heating cable to the fibreglass mesh, this ensures constant grid spacing with overall heating comfort being achieved.



***Thermatile*** installation is easily achieved – it is simply rolled out onto the prepared floor area to be tiled. The element is purpose-fitted to give maximum coverage and the fiberglass mesh is cut to suit the shape of the room and fixed furniture.

## Safety

***Thermatile*** is completely hidden and has no exposed wires or hot surfaces. The heating element is double insulated with a separate earth braid for an additional safeguard. ***Thermatile*** also complies with the stringent NZ Compliance Standard NZS6110:2007, plus

| Model | Area ($m^2$) | Size (cm) | Power 230V | Power 240V |
|---|---|---|---|---|
| TT00150 | 0.75 | 50 x 150 | 96 | 105 |
| TT00300 | 1.50 | 50 x 300 | 192 | 209 |
| TT00450 | 2.25 | 50 x 450 | 288 | 314 |
| TT00600 | 3.00 | 50 x 600 | 384 | 418 |
| TT00750 | 3.75 | 50 x 750 | 480 | 523 |
| TT00900 | 4.50 | 50 x 900 | 576 | 627 |
| TT01050 | 5.25 | 50 x 1050 | 672 | 732 |
| TT01200 | 6.00 | 50 x 1200 | 768 | 836 |
| TT01500 | 7.50 | 50 x 1500 | 960 | 1045 |

- Different element lengths allow for versatile laying options
- Factory-made elements – simply roll out and cut to shape
- Fibreglass mesh – easily installed
- 5 metre cold tail – easily connected
- Even spacing – no hot or cold spots
- 3mm thickness – less adhesive required
- High visibility mesh – visually warns that tile heating is installed
- 10 year manufacturer's warranty



# Thermatile
## UNDER-TILE HEATING


● Easy installation ● Even heat

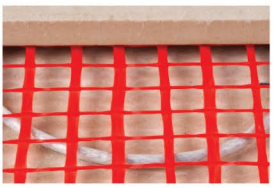
SMART HEAT – WARM FEET THERMATILE UNDER-TILE SMART HEAT – WARM FEET

***Thermatile*** is the natural choice for warming tiled areas, such as bathrooms, kitchens and hallways. The addition of under-tile heating to these areas adds to the overall comfort of a home.

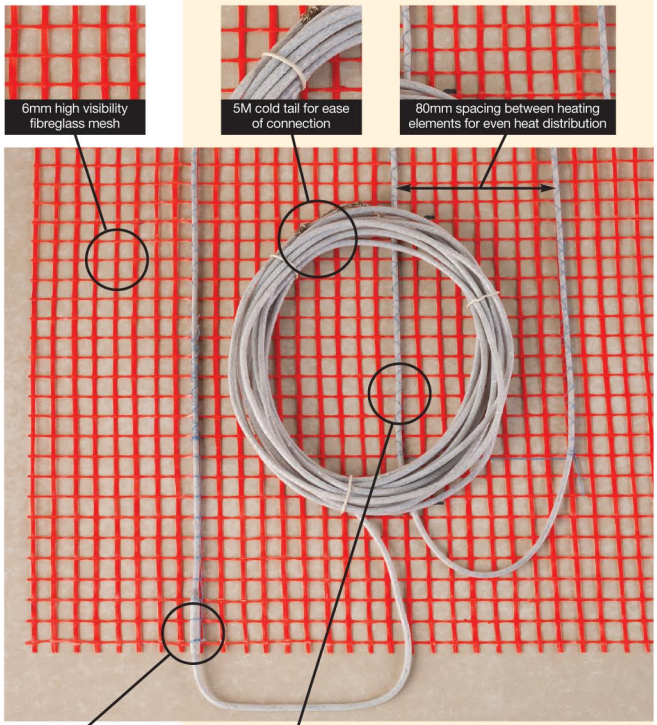
***Thermatile*** has the added benefit of preventing mould and mildew in damp areas.

***Thermatile*** is ideal for small to medium floor areas such as en-suites, where tiles will be laid over either concrete or timber floors.

***Thermatile*** consists of a very thin heating element fixed to a flexible fibreglass mesh with a total thickness of only 3mm, thus ensuring minimum height build up and less adhesive being used. The unique construction is complimented by the heating element spacing to provide ease of installation and uniform heat distribution.



***Thermatile*** is completely maintenance free and, when installed with recommended thermostats and timers, will provide gentle natural warmth for all tiled areas.

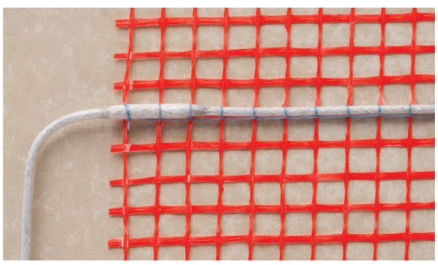



## Efficiency

***Thermatile*** is 100% efficient as all the energy it uses produces heat that is transferred to the tile and ultimately into the room.

## Response

***Thermatile*** response time will vary according to the type of substrate under the tiles and the thickness of tiles used - this response time will typically be 30-40 minutes. If the room is poorly insulated, has a large amount of glass and/or external walls, especially



south facing walls, this may be longer. The same applies for adverse weather conditions, prolonged cold spells and lack of heat in surrounding areas.

As most tile heating is used in bathrooms, kitchens and en-suites, these areas generally have a predictable time of use. Therefore, they can be pre-heated by installing a ***Thermatile*** recommended thermostat and timer which, once set, will individually monitor the heating needs for that particular area.

## Insulation

***Thermatile*** may be used with or without insulation boards. It has been our experience however, after 20 years of supplying tile heating products into the NZ market, that installing insulation boards, less than 10mm thickness, is of little gain in running costs; 10mm additional thickness is difficult to achieve when installing tiles due to building constraints.

Any insulation boards less than 10mm thick should only be considered with due regard to cost vs energy savings, as insulation board use will add additional costs per sq/m of installation.