

# Thermostatic controls

Controlling a Retro Therma floor couldn't be easier, we offer various levels of control to suit each type of home owner.

Controls can be basic and simple to use or intelligent and fully programmable even remotely via smart phones or tablets. Our design engineers help you select the perfect controls system for your project. Thermostats can either be hard wired or wireless depending on the level of renovation.



## Low cost

Retro Therma underfloor heating is affordable and effective, our unique milled system is more than 50% cheaper than the alternatives of removing the existing screed and reinstating the floor or raising the floor height by using expensive overlay systems.

We provide a first-class service paired with first class components, all covered by a comprehensive warranty.

**Contact us today for a no obligation price: 01621 858555**



Terra Therma  
are proud to present

## ***Retro Therma*** Underfloor Heating Systems

No more expense of removing an existing screed or using extortionate overlay systems, Retro Therma underfloor heating is **quick, affordable** and **dust free**.

**TerraTherma** 

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**RetroTherma** 





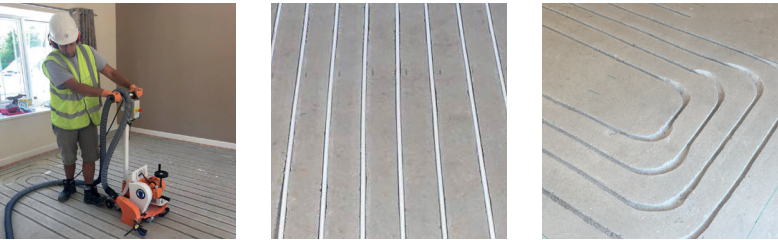
# Retro Therma Underfloor Milling

Terra Therma are proud to present our Retro Therma underfloor system.

It represents a significant leap forward in the retro fitting of underfloor heating in existing screeded floors.

Our system requires zero build-up and can be installed with minimal disruption, you only need to remove the floor coverings – we do the rest! Often it takes only a day to install an entire Retro Therma underfloor system in your home.

*Our system requires zero build-up and can be installed with minimal disruption*



Our specialist machines effortlessly mill or cut a neat 18mm groove in virtually any screeded floor. The pipes are located just below the top of screed and hence provide an exceptional response time with perfect level of comfort and warmth. Radiators can be removed and capped off as the underfloor heating can provide 100% of required heating, freeing up your walls for furnishing.

## Benefits of a RetroTherma system:

**No need to remove screed**  
our pipes are embedded into the existing screed.

**Speed**  
most installations take just a single day

**Dust Free**  
with our state of the art dust management system there is no dust!

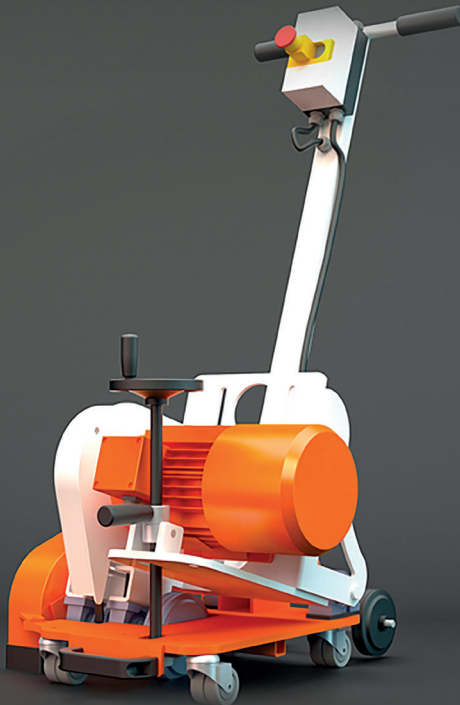
**Efficient**  
low operating temperatures means low running costs

**No additional heating required**  
no radiators needed just underfloor heating

**Responsive**  
a faster reactive warmth compared to standard screeded underfloor

**Bespoke**  
each system is custom designed for your project!

**Affordable**  
over 50% cheaper than thin overlay systems or removing screed



A Retro Therma system can be milled into traditional sand & cement screed, anhydrite flowing screeds, dry fit cement boards and even concrete floors (Extra surcharges apply for concrete floors).

In order to receive a Retro Therma system we require a screed no less than 35mm deep in good condition, the surface needs to be flat and free from holes in order to route successfully. If your floor is in poor condition, one of our experts will advise you on any remedial works necessary before milling. All skirting boards, architraves and doors can remain in situ as our engineers are able to accurately mill the floor without risk of damage.

Each loop or circuit is milled into the surface of the screed in a “snail” pattern which offers an even distribution of heat across the floor. We ensure each loop is no greater than 100m so there is effective heat transfer from the entire loop. Our 16mm underfloor pipes are installed in each milled loop and connected to a Terra Therma underfloor heating manifold.



The Retro Therma system works at a low input temperature which means that running costs are lower than radiators.

The manifold only requires a flow and return from the boiler and some basic wiring. Once completed the milled grooves containing the pipes can either be covered immediately or grouted in using a latex or tile adhesive depending on the final floor finish.

## Floor coverings

A Retro Therma system can receive virtually any floor covering:



Tiles, ceramics & stone



Rubber & vinyl flooring (Amtico, Karndean ect)



Carpets & carpet tiles



Resin & micro cement floors



Engineered wood, parquet and laminates

Retro Therma underfloor heating can be easily set to the perfect temperature for any floor finish, less temperature sensitive floor finishes such as tiles, ceramics and stone can withstand higher temperatures and are better suited to homes with higher heat losses. Temperature sensitive coverings such as vinyl's and engineered wood can be protected from excessive heat by using our optional floor probes to provide precise maximum cook surface temperatures to comply with product warranties.