

Underfloor Heating



Total **UFH**.com

Design
Supply
Support
Train
Install



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Find us on



LinkedIn

Our Services:

Supplying your underfloor heating needs

As the specialist underfloor heating division of Total Renewable Solutions, TotalUFH.com have a wealth of experience in the specification of underfloor heating.

We design, supply and install quality heating systems chosen for their ease of installation and control. Experienced heating engineers come to us for training either on site or at our accredited training center at Shepton Mallet.

As an installer ourselves we understand the importance of accurate and swift quotations with correct and equipment delivered to site when promised.

We have listened to feedback from our network of installers and have put together a range of components and systems from the leading manufacturers in each field, whether floor constructions, brassware or controls.

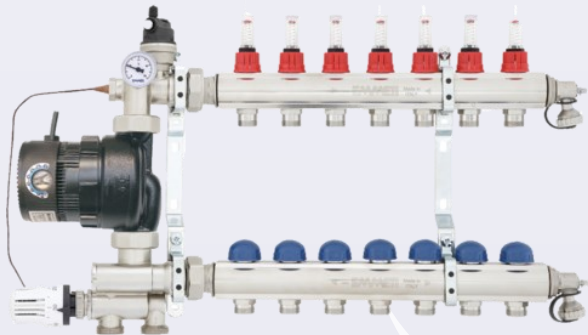
As part of Total Renewable Solutions, itself a renewable energies installer, we understand the need for the system to be designed correctly for both the property and also the heat source, no matter if it's a renewable based system or more traditional such as gas or oil systems.

How to order

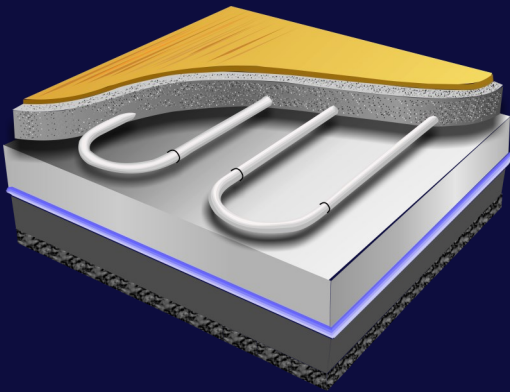
For the experienced installer, we are able to supply component only sales.

Most systems are sold with a full design, for this we require an accurate floor plan, the heat load of the property, floor construction type(s) and a preferred manifold position.

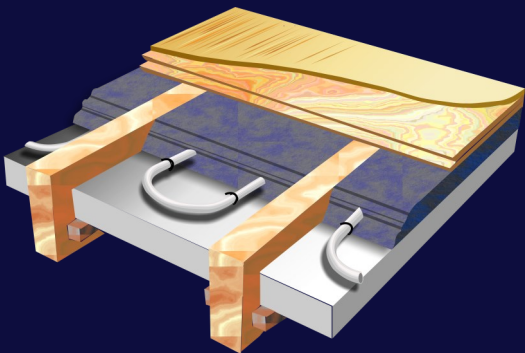
With this information we are able to generate a full quotation for both all components, controls and a full CAD layout of the system.



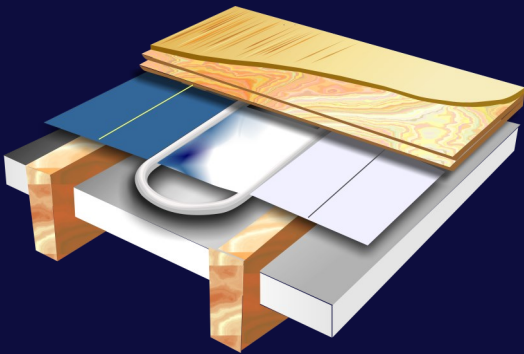
Screeded Solid Floor



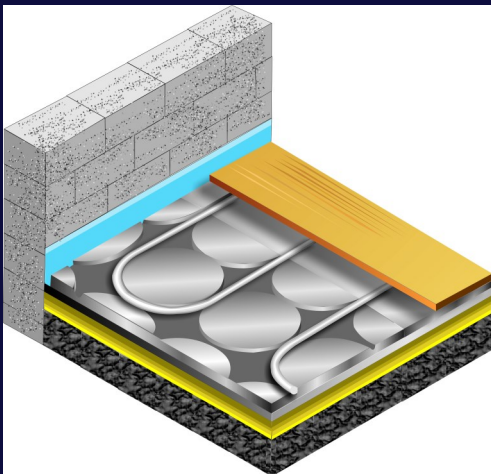
Between Joist Dry Mix



Aluminum Plate Systems



Overlay Systems



Floor Types:

Screeded Systems

Typically used on ground floors and also for beam and block floors, Screeded systems offer high heat outputs and great flexibility in their installation. Where low flow temperatures are required pipe concentration can be increased.

Various floor coverings can be used, noting requirements for heat transfer and product suitability

Dry Mix Systems

The simplest of the between joist floor constructions, pipes are laid on insulation between the joists. The remaining void is filled with a dry sand and cement mix. Slightly lower heat outputs than the screeded systems but still offering the option low flow temperatures and flexibility.

Aluminum Plate Systems

Aluminum plate systems offer a light weight installation, more suited to higher temperature systems running from boilers, the aluminum plate offers faster response than the heavier systems.

Overlay Systems

Using a gypsum based board and a narrower 12mm diameter pipe, the overlay system allows underfloor heating to be installed when additional floor height increases need to be minimised. High performance insulation can be supplied to enable it to be used over existing uninsulated ground floors.

Other Floor Systems

Many other floor construction are available, please contact us to discuss other options.

Control Options:

We offer a full range of controls, from a simple Night Set Back (NSB) dial thermostat to full Wi-Fi controlled systems. These include:

Rotary Dial NSB

The simple Rotary Dial NSB thermostat offers simple performance, allowing the use of Night Set Back, which itself offers increase efficiency and comfort than an on / off system. A centralized timer is used to provide user selectable timing from one convenient location.

Digital NSB

Offering the same functionality but in a digital form is the Digital NSB thermostat, as well as user preference, the temperature during set back periods is selectable.

Programmable Digital

The programmable digital thermostat enables the end user to set unique time and temperature profiles on a room by room basis. Especially suited where rooms of differing uses are located on the same floor, such as bungalows or homes containing an office

Programmable Digital With Wi-Fi

Similar in operation to the programmable thermostat, the Wi-Fi thermostats have the ability to be adjusted from a centralized location either in or away from the property, via a simple phone app. These systems are especially suited to holiday homes, bed and breakfasts or hotels, where it might be desirable to adjust the heating from elsewhere.

Wiring Centers

Our wiring centers are favored by our installers, these are available in 4 and 8 way units, providing ease of fitment.



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