

GS UNDERFLOOR
HEATING



Water & Electrical UNDERFLOOR HEATING SYSTEMS

Single and Multi Zone Kits

An affordable luxury





WE OFFER FULL SUPPLY AND INSTALLATION OF ALL OUR SYSTEMS

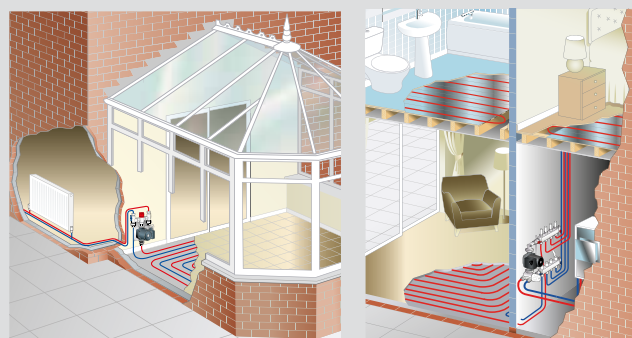
Water & Electrical UNDERFLOOR HEATING SYSTEMS

Single and Multi Zone Kits

COMPONENTS INCLUDED:

Thermostats
Wiring Control Centre
Activators
Manifold
16mm Pipe
Pipe Clips/Rails
Edge Insulation

Single zone - up to 40m²
Multi zone - 40-160m²



"WE BELIEVE WE HAVE COVERED IT ALL"

GS Underfloor heating have covered all your needs on controlling your heating & hot water systems. Over the years we have listened to what our clients needs in the form of style and presentation.

CONTROLS

WIFI STAT

The WiFi Stat app lets you control your WiFi Thermostat within your home and remotely via a 3G or WiFi connection.

Features include;

- View the actual and set temperature in your home
- Adjust your heating comfort levels
- Adjust your hot water levels
- Program a holiday period
- Lock your thermostat
- Home / Away Function (A simple way of turning off your heating system whilst you are away. On your return, pressing the Home button will re-enable the system)



Our range covers everything from low voltage 12v to 240volt – volt free switching along with networking the entire property via central touch pad that also allows you to individually name and see each room.

We have now introduce a Wi-Fi multi-link home and on the move system, allowing you to control your indoor environment from anywhere in the world via a mobile device.

WALL SENSORS

For those clients that do not want a thermostat to be shown on the walls, we have covered this as well. Our discreet wall sensors will replace each thermostat on each wall which is hard wired back to each thermostat within an enclosed cupboard or storage place centrally, leaving you with more free wall space.



WIRING CENTRES

Our wiring centres are designed to work in conjunction with our thermostats. There are four options available.



MULTIZONE TOUCHPAD

Designed to work with 12v Network Thermostats, the Touchpad provides central control of your home heating system.

Up to 32 rooms can be controlled from the full colour TFT Display meaning that walking around each room to turn up or down the heating is a thing of the past.



TOUCHSCREEN THERMOSTATS

The Touchscreen Thermostats are also flush mounting offering an installed depth of 17mm. The benefit of this series is the ease of use, touchscreen technology is now used throughout everyday life and it's easy to see why.

Like the Slimline Thermostat series, the Touchscreen thermostats come in a variety of models to cater for all applications.



SLIMLINE THERMOSTATS AND WIRELESS THERMOSTATS

The Slimline Thermostats are flush mounting and, as the name suggests, they offer a slimline appearance as the depth after installation is only 13mm.

With many models in this series, it remains the perfect choice for those wanting a modern design with a large easy to read display and infrared remote control facility.



TWO ZONE THERMOSTAT

The Two Zone 12v Touchscreen programmable room thermostat is ideal for use in bedrooms with en-suite. Zone one uses the built in air sensor whilst zone two uses the remote sensor provided. The remote sensor probe can be placed inside our sensor housing.

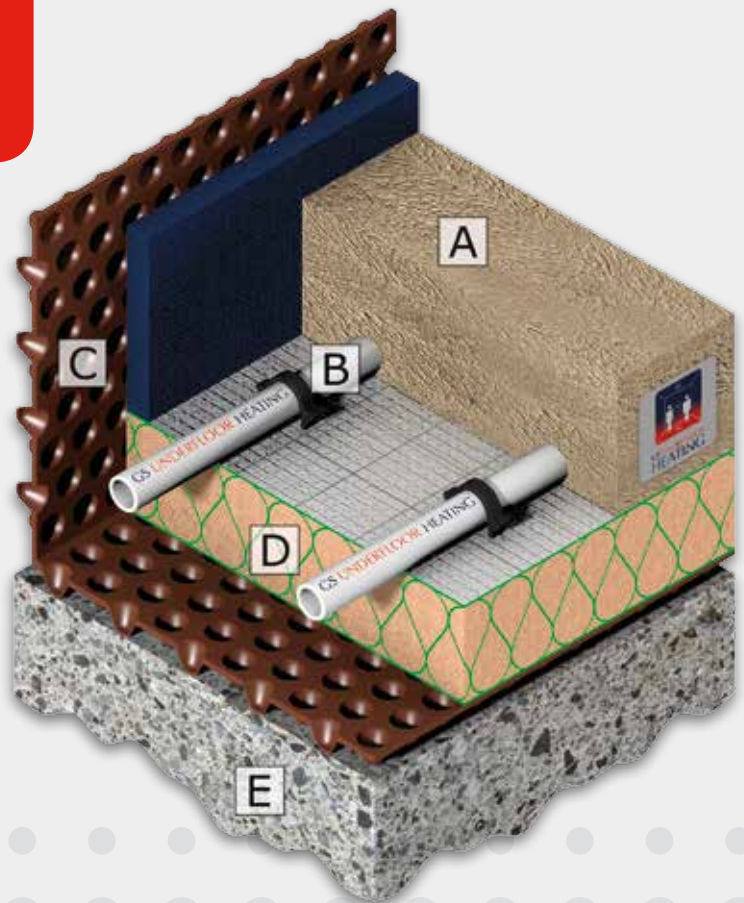


FLOOR PROFILES (WATER)

The Underfloor Heating System is suitable for use with the following floor build ups.

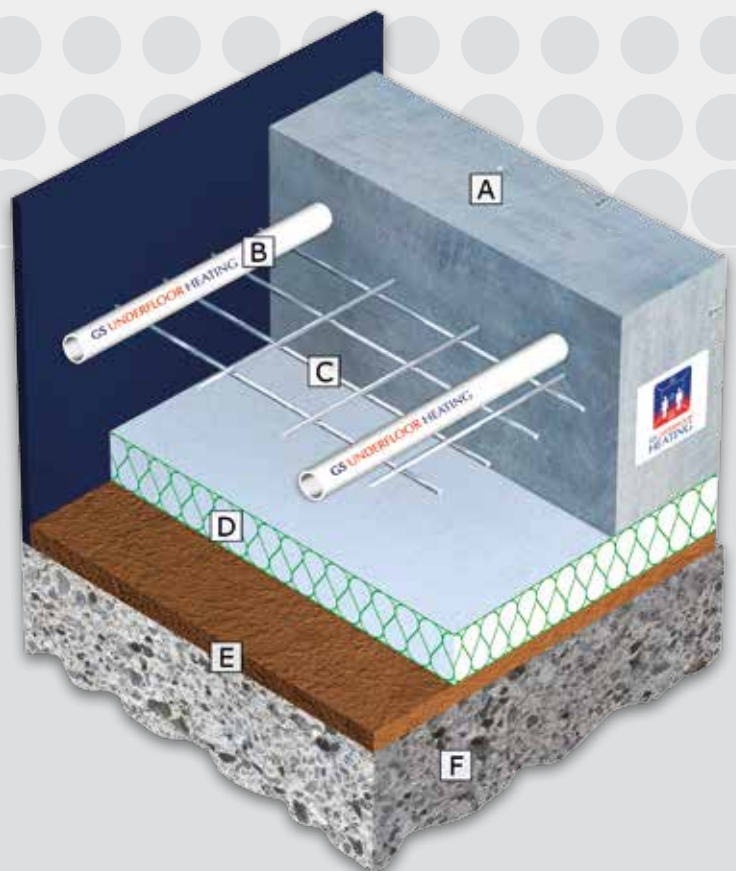
IN SCREED SYSTEM

- A** Screed infill (65mm)
- B** Underfloor heating pipe (16-17mm)
- C** Typical waterproofing in basements (optional)
- D** Insulation
- E** Solid subfloor



COMMERCIAL SYSTEM

- A** Concrete floor
- B** Underfloor heating pipe (17-20mm)
- C** Reinforcement wires
- D** Insulation
- E** Screed infill
- F** Solid subfloor

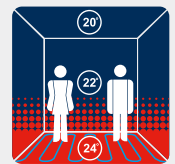


WE ALSO POWER FLUSH UFH & CENTRAL HEATING SYSTEMS





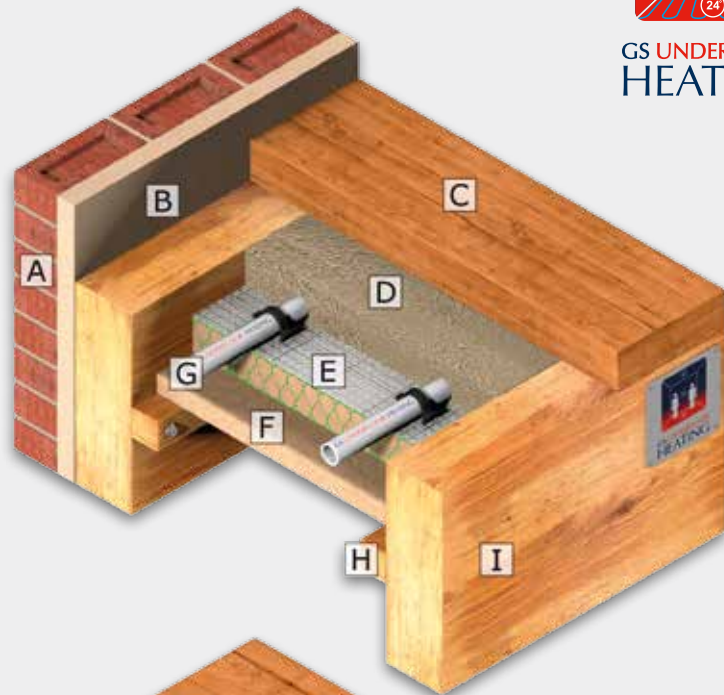
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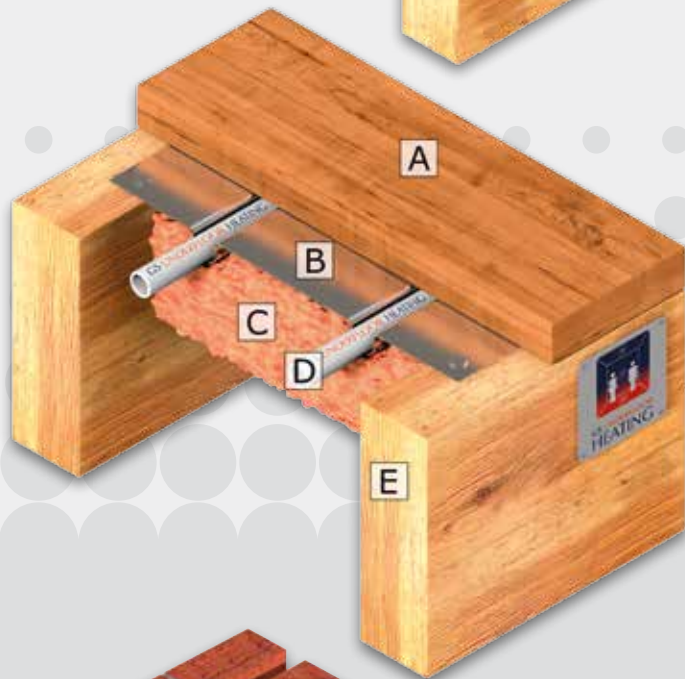
PIPE IN SCREED BETWEEN JOISTS

- A Outside wall
- B Plasterboard
- C Wooden floor covering
- D Screed infill (25mm)
- E Insulation
- F Plywood support decking
- G Underfloor heating pipe
- H Batten (screwed)
- I Joists



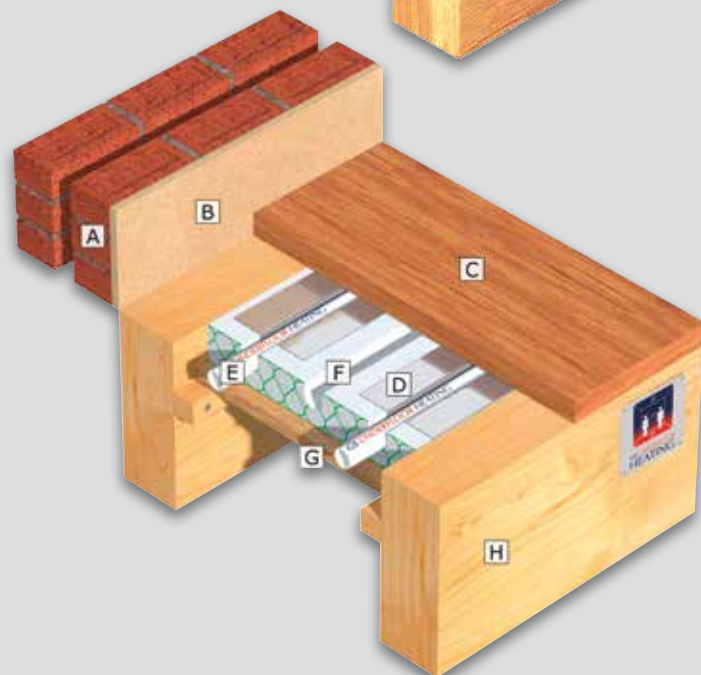
ALUMINIUM TRAY BETWEEN JOISTS

- A Wooden floor covering
- B Aluminium heat diffuser plate
- C Mineral wool insulation (100mm)
- D Underfloor heating pipe
- E Joists



GROOVED INSULATION BETWEEN JOISTS

- A Outside wall
- B Plasterboard
- C Wooden floor covering
- D Heat diffuser plate
- E Underfloor heating pipe
- F H/D Insulation (25mm)
- G Plywood support decking
- H Joists

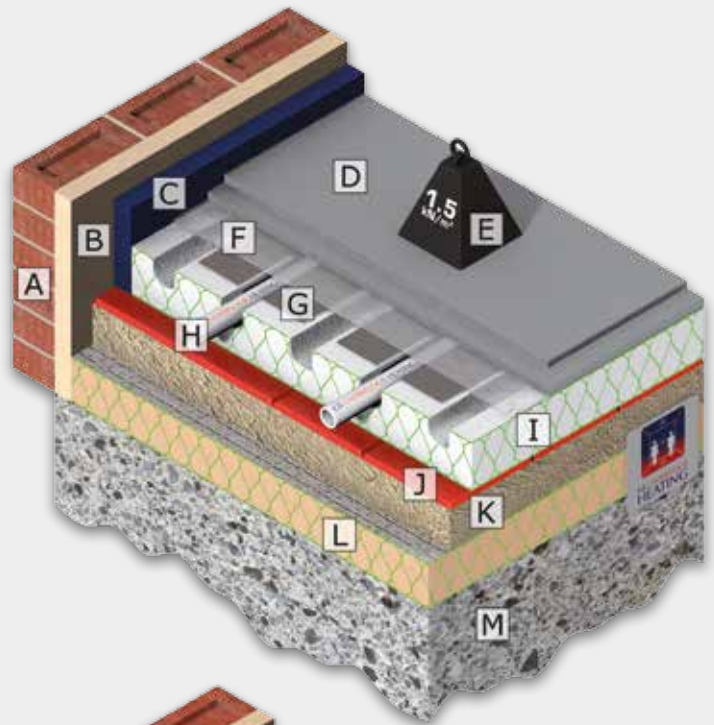


FLOOR PROFILES (WATER)

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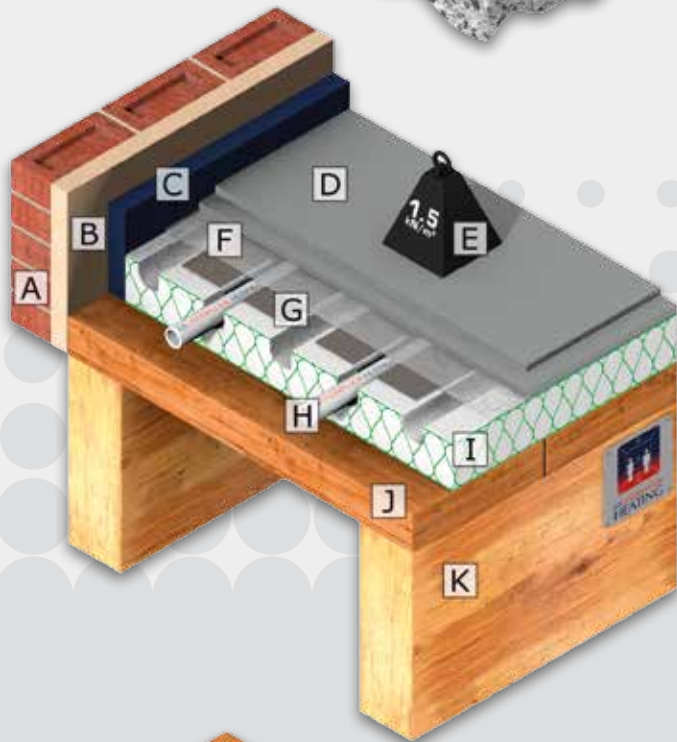
FLOATING FLOOR ON EXISTING FLOOR

- A Outside wall
- B Plasterboard
- C Edge insulation
- D Fermacell flooring (20/25mm)
- E Floor point loading
- F Damp proof membrane
- G Heat diffuser plate
- H Underfloor heating pipe
- I H/D Insulation (25mm)
- J Existing tiles
- K Existing floor
- L Insulation
- M Solid subfloor



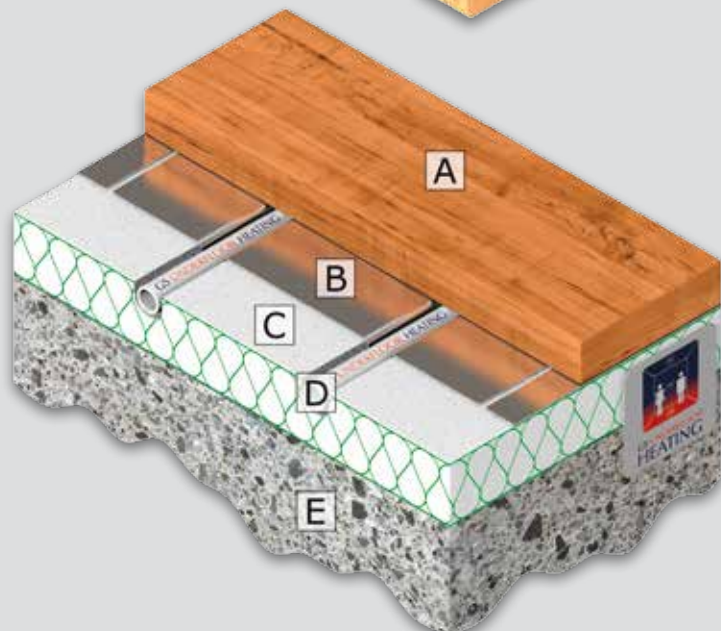
FLOATING FLOOR ON FLOORBOARDS

- A Outside wall
- B Plasterboard
- C Edge insulation
- D Fermacell flooring (20/25mm)
- E Floor point loading
- F Damp proof membrane
- G Heat diffuser plate
- H Underfloor heating pipe
- I H/D Insulation (25mm)
- J Floor boards
- K Joists



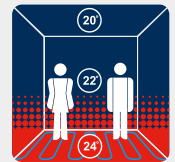
FLOATING FLOOR ON SUB FLOOR

- A Wooden floor covering
- B Heat diffuser plate
- C Polystyrene insulation panels (25-100mm)
- D Underfloor heating pipe
- E Solid subfloor





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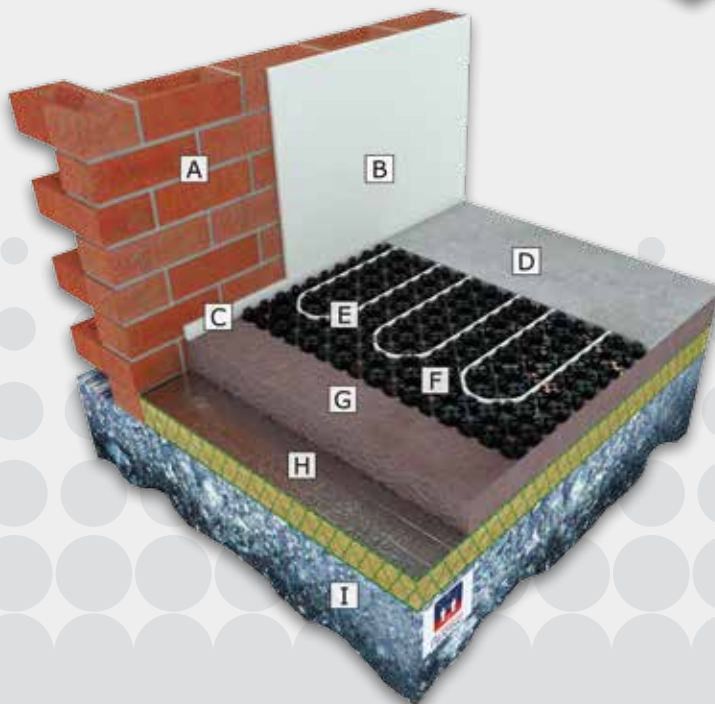
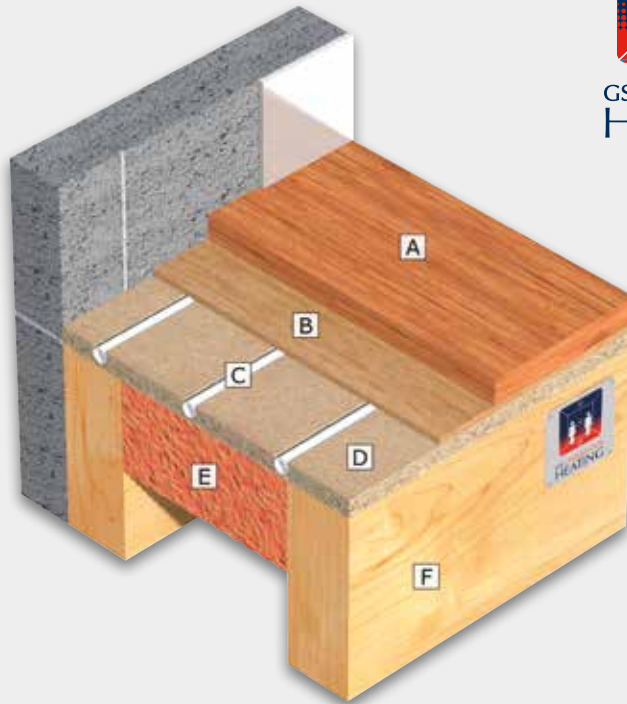
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PLY & GROOVED BOARD ON JOISTS

- A Wooden floor covering
- B 6mm Plywood
- C Underfloor heating pipe (12-17mm)
- D Grooved chipboard
- E Insulation
- F Joists

NEW

All pipe is brought back to manifold, no joint connections within floor.

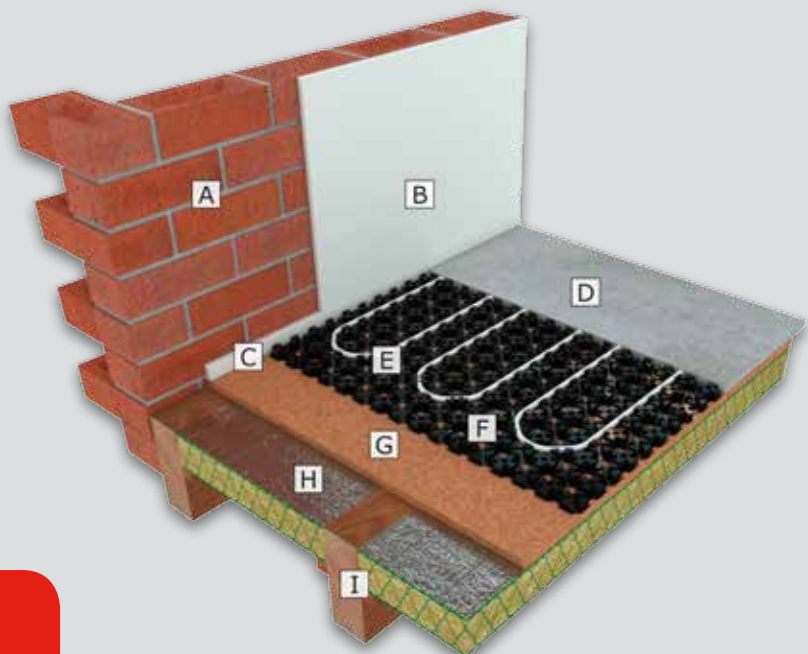


MINITECH SYSTEM ON CONCRETE

- A Outside wall
- B Plasterboard
- C Edge isolation material profile with sealing skirt
- D 15mm Latex screed on minitech system
- E Underfloor heating pipe (9.9mm x 1.1mm)
- F Minitech mounting board
- G Existing screed
- H Existing insulation
- I Existing sub floor

MINITECH SYSTEM ON JOIST FLOOR

- A Outside wall
- B Plasterboard
- C Edge isolation material profile with sealing skirt
- D 15mm screed on minitech system
- E Underfloor heating pipe (9.9mm x 1.1mm)
- F Minitech mounting board
- G Existing timber floor
- H Existing insulation
- I Joists



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FLOOR PROFILES (ELECTRICAL)

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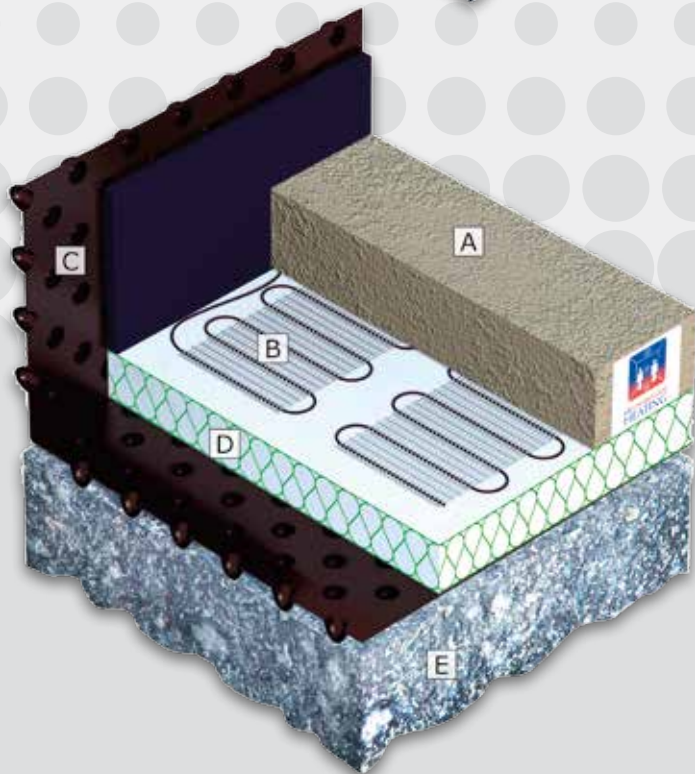
200W SOLE SOURCE SYSTEM

- A** Outside wall
- B** Plasterboard
- C** Slimline thermostat
- D** 13 Amp fuse spur*
- E** Stone flooring on flexible tile adhesive
- F** Sensor
- G** Latex leveling compound
- H** Floor warming mat
- I** Screed infill
- J** Insulation
- K** Solid subfloor



SOLE SOURCE SYSTEM IN SCREED/CONCRETE

- A** Screed infill
- B** Floor warming mat
- C** Typical waterproofing in basements (optional)
- D** Insulation
- E** Solid subfloor



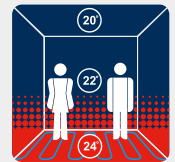
LATEX

A two part bag & bottle system, with latex for flexible floor levelling. Excellent flow and adhesion properties. Suitable for most common cementitious floor substrates, prepared tiles and timber floors.

Ultra Floor Level IT two is a two part self-levelling floor compound that combines excellent flow characteristics with strong adhesion properties through the inclusion of a synthetic latex liquid component. Suitable for use over cementitious floor substrates, hard adhesives residues, asphalt and timber, and can also be used under Ultra Floor DPMs.



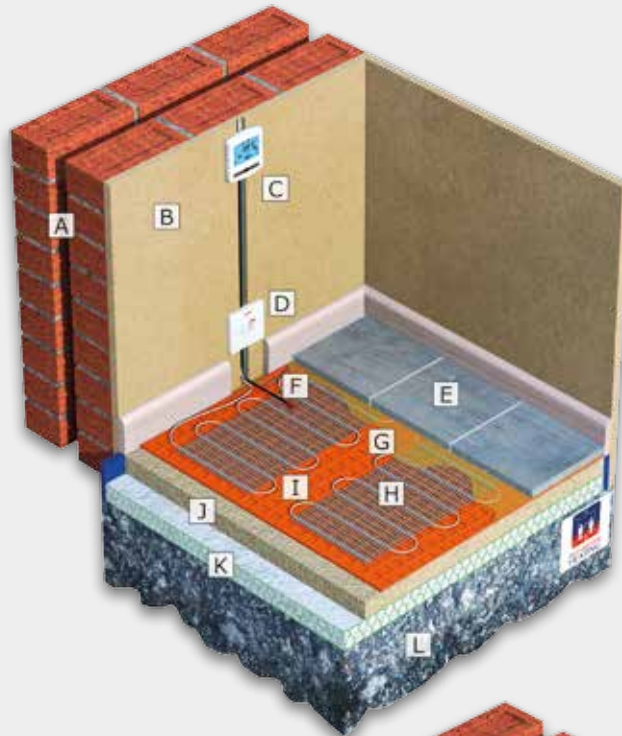
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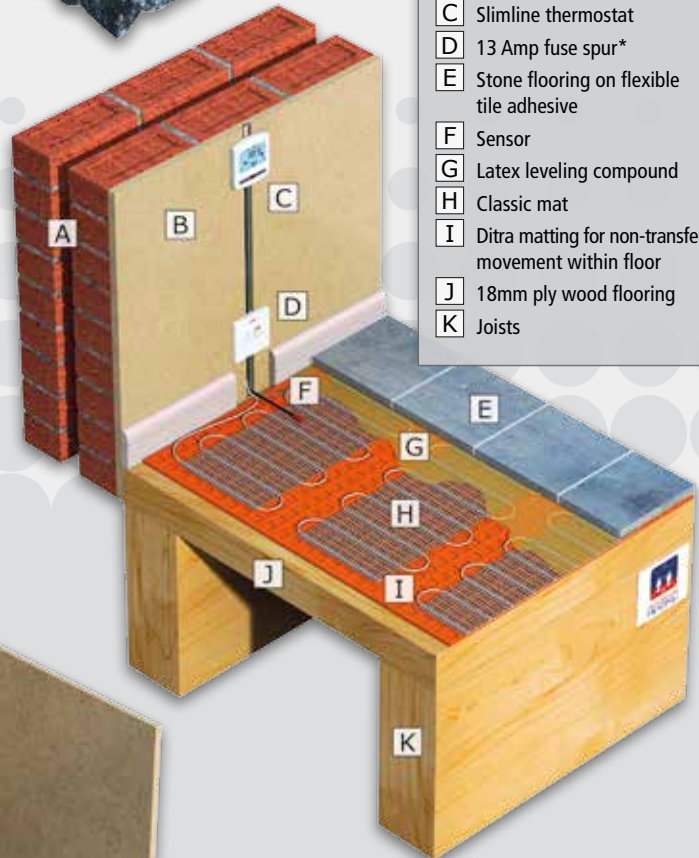
UFH & DITRA ON CONCRETE

- A** Outside wall
- B** Plasterboard
- C** Slimline thermostat
- D** 13 Amp fuse spur*
- E** Stone flooring on flexible tile adhesive
- F** Sensor
- G** Latex leveling compound
- H** Classic mat
- I** Ditra matting for non-transferring movement within floor
- J** Screed infill
- K** Insulation
- L** Solid subfloor



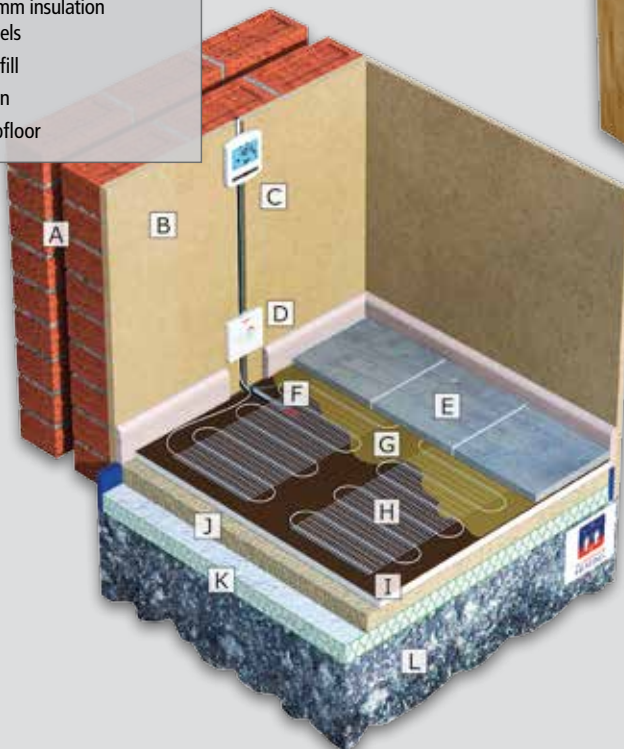
UFH & DITRA ON WOOD & CONCRETE

- A** Outside wall
- B** Plasterboard
- C** Slimline thermostat
- D** 13 Amp fuse spur*
- E** Stone flooring on flexible tile adhesive
- F** Sensor
- G** Latex leveling compound
- H** Classic mat
- I** Ditra matting for non-transferring movement within floor
- J** 18mm ply wood flooring
- K** Joists



UNDERFLOOR HEATING ON INSULATION BOARDS

- A** Outside wall
- B** Plasterboard
- C** Slimline thermostat
- D** 13 Amp fuse spur*
- E** Stone flooring on flexible tile adhesive
- F** Sensor
- G** Latex leveling compound
- H** Classic mat
- I** 10 to 50mm insulation floor panels
- J** Screed infill
- K** Insulation
- L** Solid subfloor



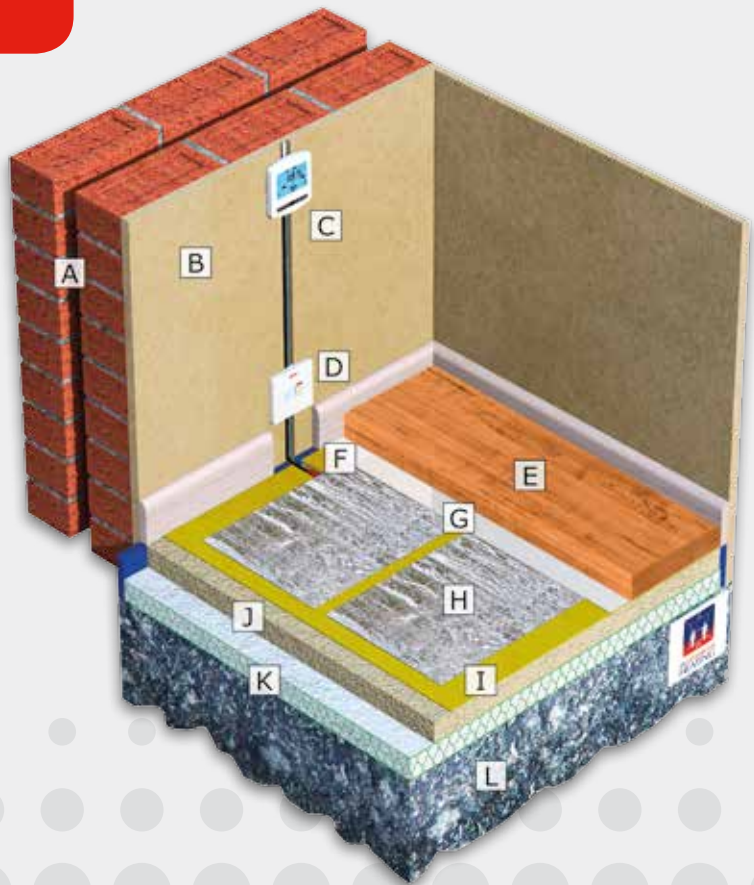
* (Please also refer to GS UFH for loadings as this could change)

FLOOR PROFILES (ELECTRICAL)

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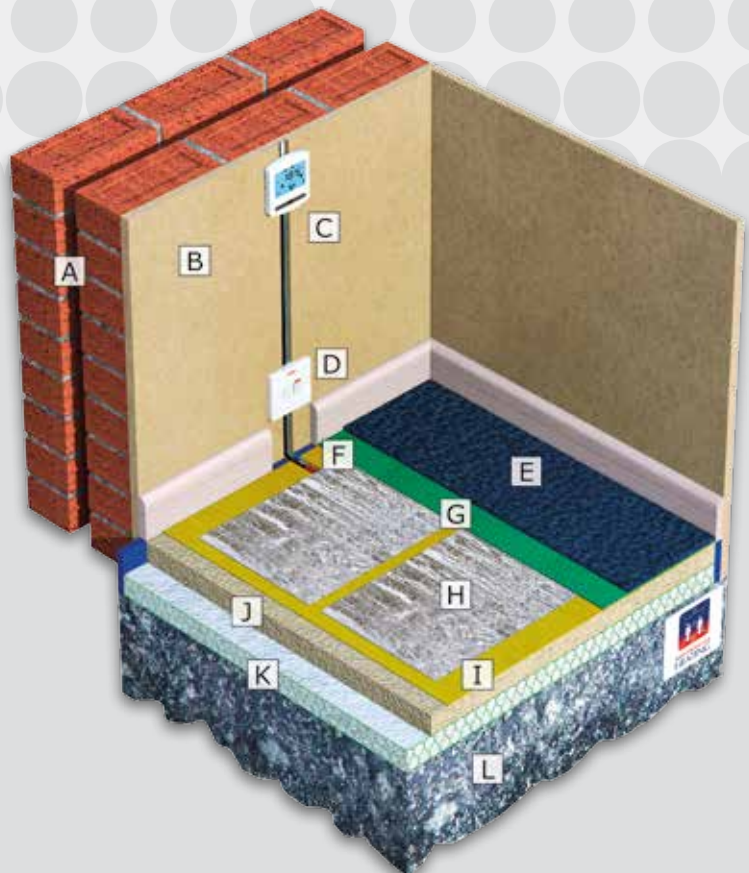
RHE 150W WOOD FINISH FLOORING - CONCRETE

- A** Outside wall
- B** Plasterboard
- C** Slimline thermostat
- D** 13 Amp fuse spur*
- E** Wood floor covering
- F** Sensor
- G** Thin white underlay
- H** RHE parquet mat
- I** Yellow foam underlay
- J** Screed infill
- K** Insulation
- L** Solid subfloor



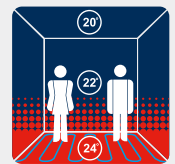
RHE 150W CARPET FINISH FLOORING - CONCRETE

- A** Outside wall
- B** Plasterboard
- C** Slimline thermostat
- D** 13 Amp fuse spur*
- E** Carpet floor covering
- F** Sensor
- G** Warm flow underlay
- H** RHE parquet mat
- I** Yellow foam underlay
- J** Screed infill
- K** Insulation
- L** Solid subfloor





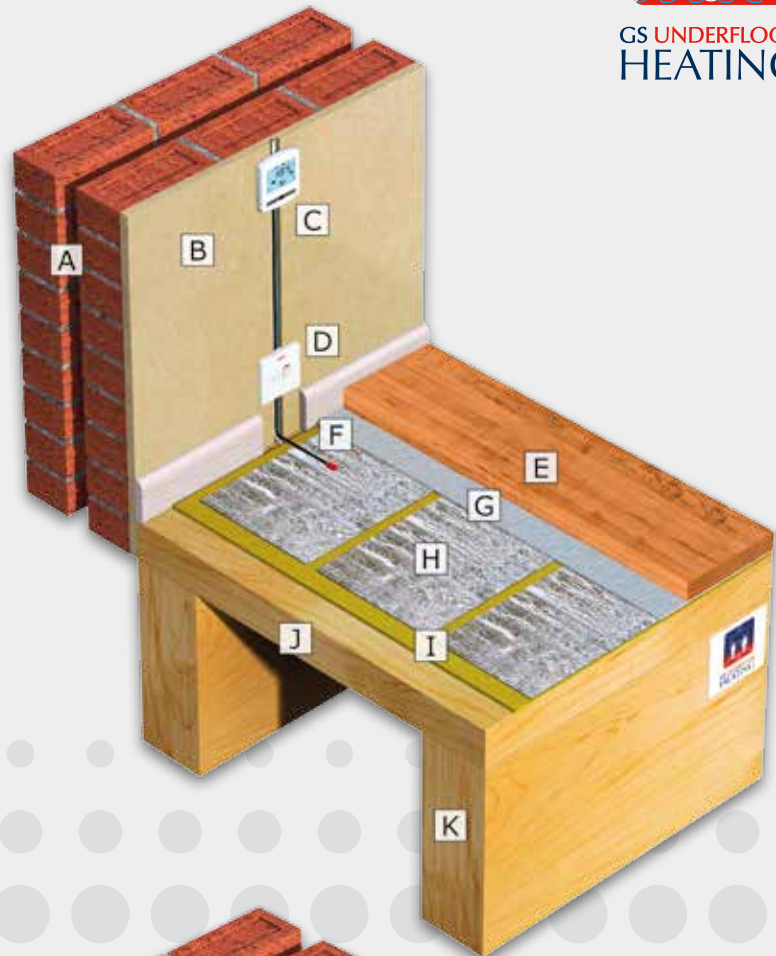
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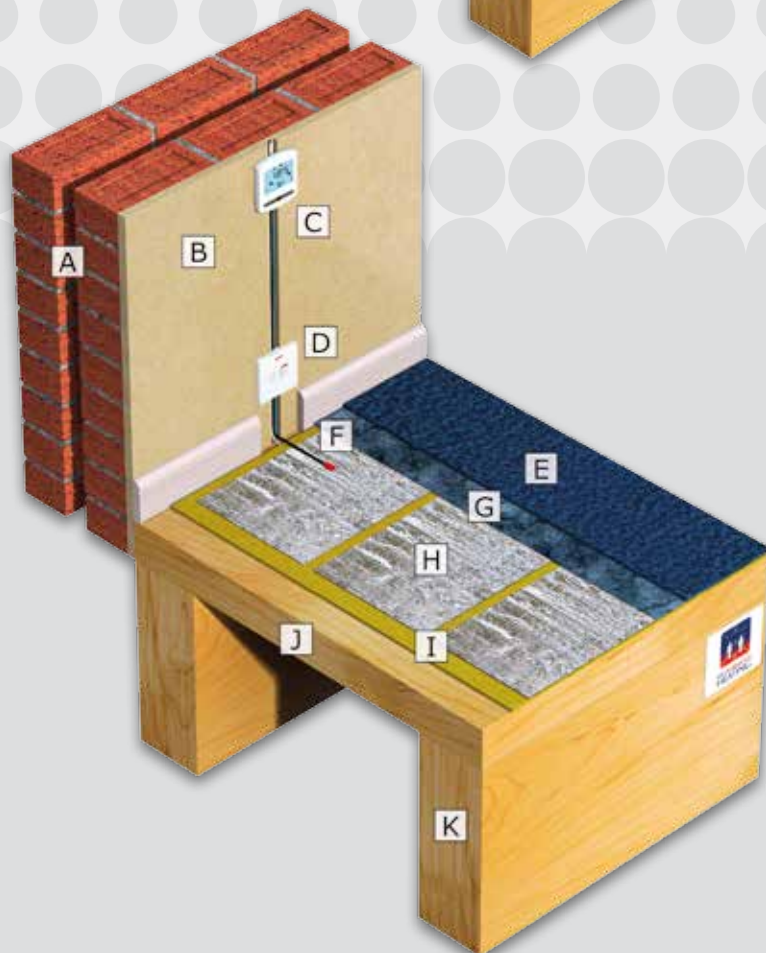
RHE 150W WOOD FINISH FLOORING - JOIST FLOOR

- A** Outside wall
- B** Plasterboard
- C** Slimline thermostat
- D** 13 Amp fuse spur*
- E** Wood floor covering
- F** Sensor
- G** Thin white foam underlay
- H** RHE parquet mat
- I** Yellow foam underlay
- J** 18mm ply wood flooring
- K** Joists

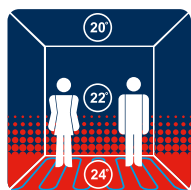
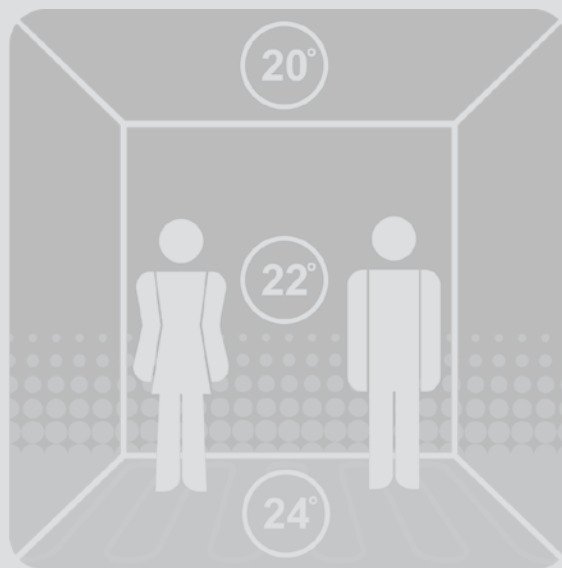


RHE 150W CARPET FINISH FLOORING - JOIST FLOOR

- A** Outside wall
- B** Plasterboard
- C** Slimline thermostat
- D** 13 Amp fuse spur*
- E** Carpet floor covering
- F** Sensor
- G** Warm flow underlay
- H** RHE parquet mat
- I** Yellow foam underlay
- J** 18mm ply wood flooring
- K** Joists



* (Please also refer to GS UFH for loadings as this could change)



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