

BUH Borders Underfloor Heating

We leave our clients with a warm feeling 

Quality comes as standard

When fitting our system you're assured of top quality equipment and service. The UFH manifold is nickel plated brass with reliable fittings, which are covered by a 10-year system guarantee. The Pe-X floor pipe with its EVOH oxygen barrier has a 50-year guarantee.

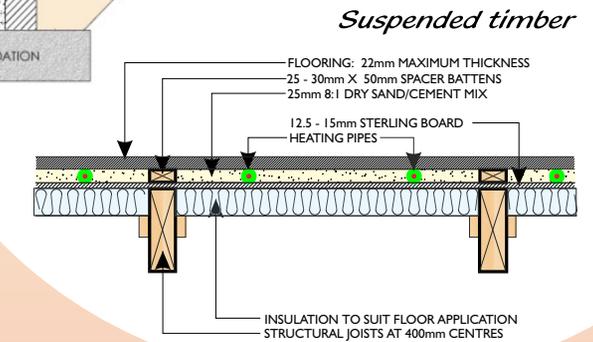
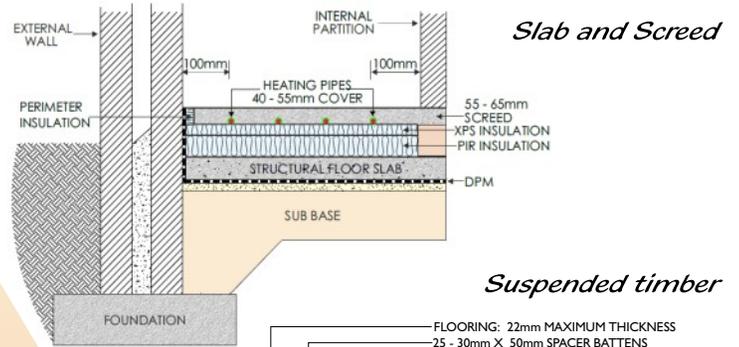
Suitable for most floors

Our system can be fitted on any floor level. The floor construction is usually slab and screed or suspended timber, especially in new build properties.

Ideal with heat pumps

Underfloor heating and heat pumps are a match made in heaven. The low water flow temperature is best suited for UFH and enables a heat pump to work at peak efficiency.

Whole House Underfloor Heating



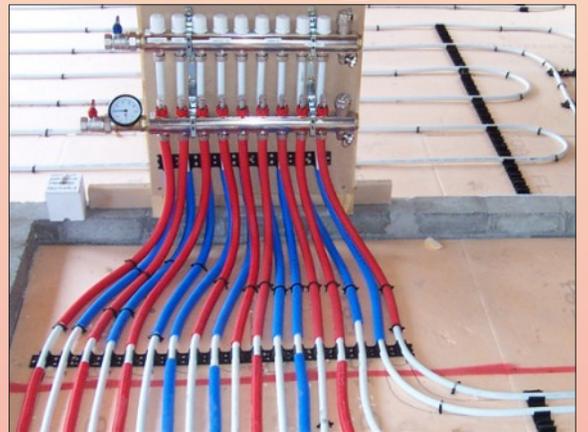
Controls

Salus Quantum Control

We specify this system because it is fully programmable for time and temperature. Each thermostat is self-learning, ensuring that the rooms are efficiently heated to the required temperatures at the times you choose. If you want the bathroom at 23°C by 6.00 a.m. and the kitchen at 21°C by 7.00 a.m., that's what it will do.

The thermostats can be controlled from anywhere using the Salus Premium Lite App with the optional Salus Hub. This may also be useful for avoiding call-out costs if you ever need technical assistance.

This control system is compatible with any heat source, including heat pumps. Salus controls have a 5-year warranty.



Water Temperature Control

If using a heat pump, the water flow temperature is automatically adjusted by the heat pump controller. If using a boiler, the water flow temperature will be seasonally adjusted at the manifold by the end user from approx 35 - 40°C in spring and autumn, to approx 50 - 55°C in winter.

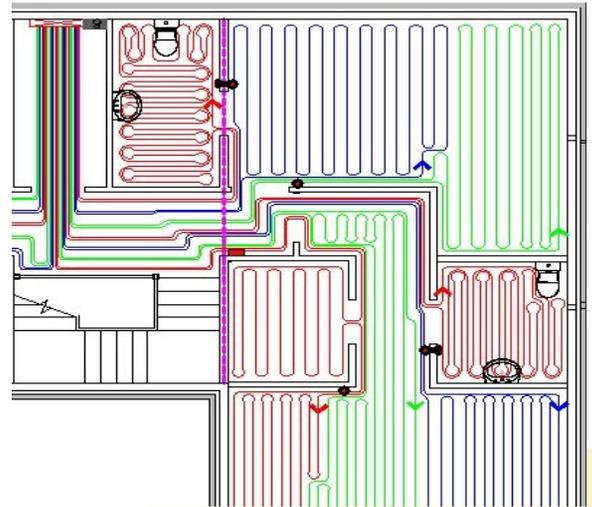


We put our energy into your comfort.

We won't compromise on quality



Pipe layout for suspended timber floor



CAD for picture opposite



Pipe layout for slab and screed floor

Floor coverings

Stone or tiles are the best with underfloor heating because of their thermal mass, but most floor coverings can be used, including engineered hardwood and carpet. However, don't use thick carpets because they have high insulation properties and will prevent heat coming from the floor, causing your heating system to become less efficient. Stone and tiles can form part of your screed up to a maximum thickness of 65 mm. Engineered hardwood should be no thicker than 22 mm. Whatever floor covering you intend using, we recommend you follow the manufacturer's guidelines.

Insulation

For slab and screed or beam and block floors we recommend two layers: a bottom layer of PIR insulation such as Kingspan or Celotex; and a top layer of at least 50mm high density rigid extruded polyurethane (XPS) insulation boards with a minimum compressive strength of 200 kPa such as Danosa Danopren, Kingspan Greenguard, or Polyfoam Floorboard. Suspended timber ground floors **must** use rigid insulation fully supported between the joists. Mineral wool may be used in suspended timber upper floors, but must not be used for ground floors.

Our Experience and Expertise

- ◆ We are self-build specialists with an in-depth knowledge of integrated heating systems.
- ◆ We are MCS accredited to install ground and air source heat pumps.
- ◆ We care for every project as if it were our own.
- ◆ We use quality products and equipment with excellent guarantees.
- ◆ We provide a bespoke design service to suit your project.
- ◆ Our installation photos are used in our suppliers' manuals and training literature, and have also been used in various building magazines.
- ◆ We offer advice and support from the planning stage, right through to completion and beyond.
- ◆ We provide an unrivalled after sales service.

*Thank you for considering
our company.*

Simon & Pauline Currie



Underfloor heating installers since the company was founded in 2000.

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