



Uniclass	L7511	EPIC	L61 L2242 L511
CI/SfB	(56)	418B	
Oct 2007			

 **Continental**TM
Underfloor Heating

under-floor heating made simpleTM

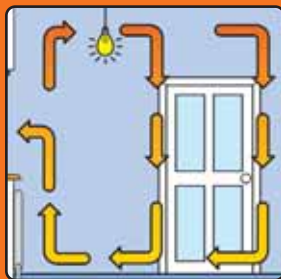
Heating with UFH

Underfloor heating, either warm-water or electrical, is the modern and efficient choice for heating domestic and commercial properties.

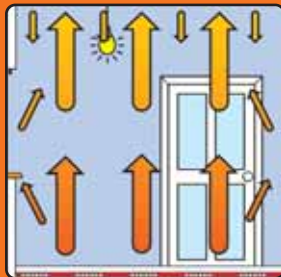
Warm-water systems use low temperature water (typically 50°C), which circulates through a series of continuous pipe loops laid under the floor, turning it into one large radiant surface. The pipe loops for each room (or zone) all run from, and back to, the system manifold, which is conveniently located in one easily accessible position. Electrical systems use an electric cable / heating element to achieve the same result.

UFH is commonplace throughout Europe, providing cost effective, comfortable, unobtrusive heating in millions of properties.

UFH provides the warmth to a room from the floor up, rather than heating the ceiling space first.

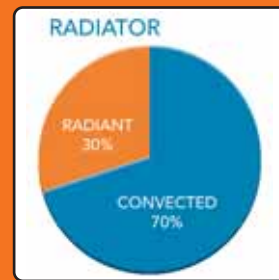
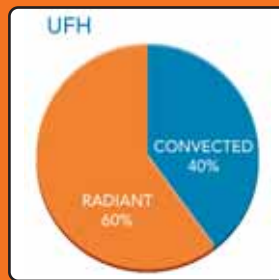


How a radiator heats a room



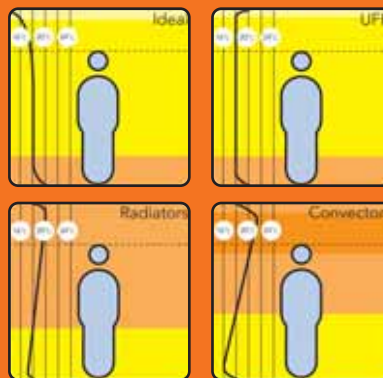
How UFH heats a room

Warm-water systems use a lower water temperature than radiators, which means the boiler uses less fuel, which in turn means lower running costs and less environmental damage. Electric systems tend to be less efficient but are very easy to install in small areas.



Types of heat produced by radiators and UFH

The heat produced from UFH systems is different to radiators. UFH emits a far greater proportion of its heat as radiant rather than convected heat. This means you feel more comfortable.



Heating distribution profiles

The heat distribution within a room is also different, with the distribution profile being far closer to the ideal with a lower room thermostat setting (typically 2°C less) for the same comfort level.

Warm Water Systems

Our range of warm-water UFH systems are the ideal choice for domestic or commercial projects, whether large or small. They give you a choice of pipe types, methods of control, and a complete range of installation and fixing methods to suit your floor construction.

Our systems are designed to be compatible with virtually all types of floor finish including carpets and wood floors, they are easily combined with towel rails or radiators, and can be powered from traditional oil and gas boilers, geothermal systems, wood chip boilers, solar collectors: in fact any heat source you choose.

Electrical Systems

Electrical systems are most suited to small areas, quick renovation projects, or in situations where your only choice of heat source is electricity. We supply a choice of cable and mat systems for tiled floors, and the latest flat-cable systems suitable for use under wood and laminate floors. Request our Electrical UFH brochure for more information.

Quality Control

Whether you choose our warm-water or electrical systems, you can rest assured that the components are of the highest quality and manufactured to our exacting standards and specification. They are tested, approved and certified across Europe, and have been used in literally thousands of installations.

Our design work is carried out to the relevant British and European standards, and all systems come with a comprehensive set of guarantees.

And our expert team of technicians, engineers and customer advisors are on-hand throughout your project to offer you guidance and advice, so you get a system that is right for you.



Manifold and water controls

Pipe

The heart of any warm-water system is the pipe, and you want to be sure that it is easy to install and will last for many years.

For all systems, the pipe is installed in one continuous loop per zone (or room), so there are no joints in the floor which could leak, and our FlowMaster™ range of pipes have one critical feature in common – they are manufactured and tested to have a 50 year working life.

FlowMaster™ AluPERT and AluPEX are multi-layer composite pipes, extruded from PERT or PEX plastic, sandwiching



HeatMax™ controls

a continuously welded layer of aluminium. The aluminium layer provides supreme strength, is guaranteed to be 100% oxygen impermeable, and means the pipe holds its shape when you bend it. This makes installation easy, particularly for the less-experienced or DIY installer.

FlowMaster™ PEX is a 5-layer composite PEX pipe incorporating an integral EVOH oxygen barrier and is generally the choice of the experienced tradesman (or woman). It does spring back (as any pure plastic pipe will) so we ensure that we only supply FlowMaster™ PEX systems with fitting systems that take account of this.

The choice of pipe will depend upon the way you want to install it and the experience of the person installing. Our customer advisors are here to help you make that decision.

Manifolds & Water Controls

Our manifold sets are manufactured from brass to give a long life without leakage or corrosion. They come complete with a host of features to make commissioning simple, including isolation ball-valves, easy-to-read flow gauges, and end-sets for filling, bleeding and draining.

Our water temperature controllers simply bolt onto the manifold sets, and provide either injection or blending control of the water temperature within the underfloor heating system. No external sensors or cabling are required, and the connection to the heat source is simple.

Controls

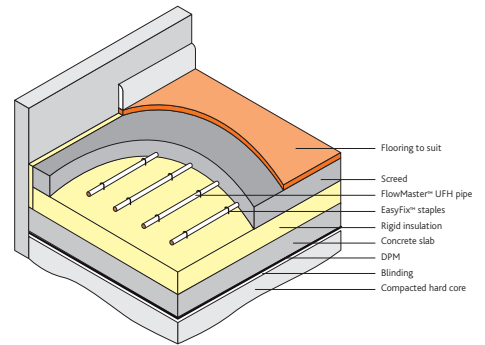
Individual room temperature control comes as standard with our systems, unless you request otherwise. Controls range from simple rotary-dial thermostats to fully-programmable night-setback systems. Whichever level of controls is chosen, you can be sure they are easy to wire (using "normal" cable), simple to programme, and even easier to use day-to-day.

Our customer advisors will spend time with you to help you decide which level of control suits your usage and your pocket.

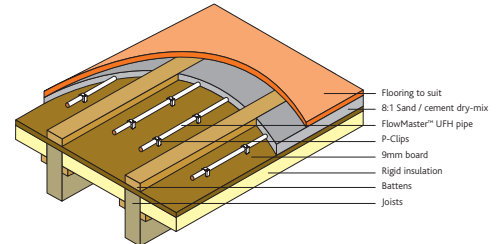
Construction

We are firm believers in keeping things simple, and have fitting methods to suit all floor constructions including screed floors, battened floors and joists.

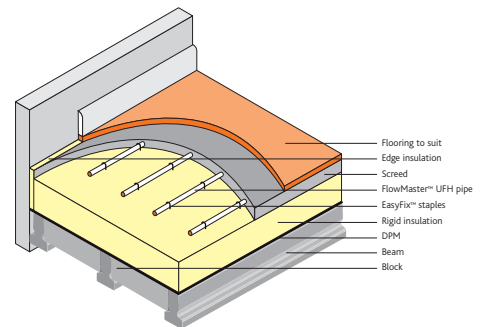
At the quotation stage we will work with you to match the most cost-effective solution to your needs, and wherever possible we will suggest readily available materials rather than expensive bespoke solutions.



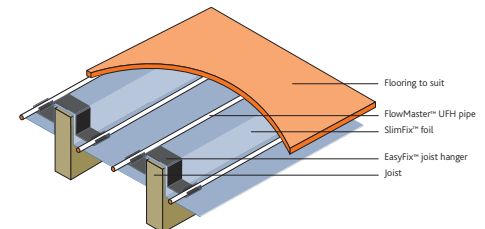
Typical screed floor installation



Typical over-joist installation



Typical beam and block installation



Typical SlimFix™ joist installation

These are just a few examples of typical installation methods, but there are many more including systems that can fit into just one inch of floor space. Contact our customer advisors for more information, or visit our website.



About Us

We are one of the UK's leading suppliers of underfloor heating systems, with an enviable track record of matching customer requirements with a suitable system, whether warm-water or electrical.

We have supplied systems across the UK for all types of project including domestic new-build and renovation, offices, warehouses, schools, low-cost housing, eco-homes, health centres, and even aircraft hangers.

We are committed to the highest levels of customer service, which is why every project is assigned to one of our trained customer advisors to help you (or your customer) through every stage from quotation to post-sale.

Our promise to you is simple

- **Fast response to quote requests:** usually within 72 hours, but we can work faster if you need us to.
- **A firm binding quotation:** what you see is what you pay, and we won't try and sell you things you don't need.
- **Friendly, helpful technical advice:** to answer all your questions and ensure you get a system that suits your project.
- **The most flexible and easily installed systems on the market:** so you get a system that is simple to install and easy to use.

Our Service

From your first contact with us we know you will be impressed with our depth of knowledge and our commitment to solving problems and issues for you.

Simply phone us, or send us your plans by post, email or fax, and you will receive a quotation for our recommended system within days. If we need more information from you we will get in touch, and if you call us we will answer your questions there and then, or call you back that day.

Our "standard" quote turnaround is 72 hours from receipt of plans, but if you need to know a cost faster, just let us know and we will do all we can to speed things up.

When you confirm to us that you want to buy our system we carry out the full CAD design. This typically takes less than 7 days. At this stage component quantities may change: if your system needs more components we WILL NOT charge you any more than our original quotation (provided you have not changed your plans), and if you require fewer components we will refund the difference.

Following your approval of the CAD we agree delivery date(s) and prepare your system for you, holding it at our warehouse.

We despatch your system when you are ready for it, using next-day

couriers, so you don't have to worry about parts going missing on-site.

Every system comes complete with clear and detailed fitting and commissioning instructions, backed up with unlimited free support and advice from our Technical Team.

And if you want, we can put you in touch with one of our Registered Installers who will provide you with a fixed-price quotation for installing your system.

For further information, to discuss your project, or to receive a quotation, please contact your local distributor or our National Sales office.



Typical UFH installation

Distributor Stamp

Continental Underfloor Heating
Continental House, Kings Hill
Bude, Cornwall, EX23 0LU, UK

info@continental-ufh.co.uk • www.continental-ufh.co.uk **0845 108 7001**

