Speedfit®

UNDERFLOOR

Advanced Warm Water Underfloor Heating

Economical to Run

With current ESKOM price increases JG Speedfit hydronic UFH offers dramatic energy savings over conventional heating systems

Environmentally Friendly

Suitable for use with energy efficient heat pumps, solar energy, natural gas or a combination of these solutions

Complete Automation & Control

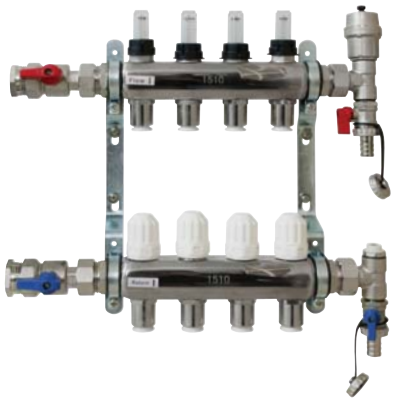
Easy to use and attractively designed thermostatic systems let you decide the level of automation and control

Advanced Design Service

Using architectural plans, all solutions are tailor engineered specific to your requirements using CAD software

Full Technical Support

Our expert technical team are there to assist from the design stage, through installation and final commissioning, including training



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Understanding Warm Water Underfloor Heating

Warm Water Underfloor Heating; or hydronic underfloor heating, is the latest and most cost effective technology for heating your new home, existing home extension or commercial building. Its growing popularity can be put down to a number of key lifestyle and operational benefits such as comfort, economy, flexibility and its virtually maintenance free operation.

The system works by circulating low temperature water, between 35-50°C, through loops of plastic pipe work which are embedded within the floor structure. This effectively turns the whole floor area into a low surface temperature radiator. Warm water is then distributed to the pipe laid within the floor from manifolds positioned in convenient areas such as under the stairs, cupboards or the garage. The Speedfit Solution is suitable for most floor finishes, including ceramic tiles, carpets, vinyl and laminate.

Speedfit UFH heats a room mainly by radiation. This is considered the most natural and comfortable form of heating - just like the sun (see diagram 1). Radiant energy emitted by the floor is partly reflected by each surface and partly absorbed. Where it is absorbed, that surface becomes a secondary emitter. After a while, all surfaces become emitters. Furnishings themselves radiate energy and the room becomes evenly and uniformly warmed. The energy reaches into every corner of the room so no cold spots, and no cold feet.

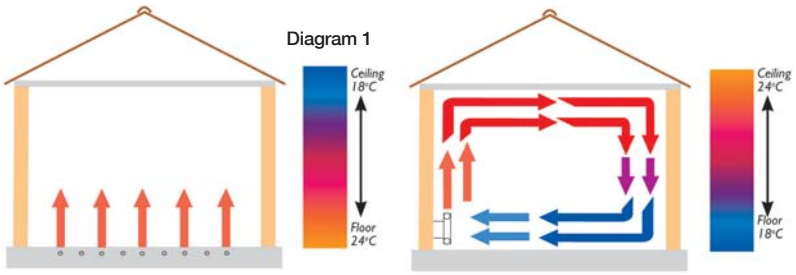
Unlike conventional heating systems, Speedfit UFH allows each room to control the heat source. This reduces energy usage whilst improving comfort levels within the building. Speedfit's range of self-learning room thermostats help to reduce energy usage by automatically adjusting themselves to the characteristics of the building. There are several options in the range including network and wireless versions, each delivering a level of automation to suit your needs. Larger commercial solutions can be controlled via the internet, enabling total control over the entire buildings heating requirements from one source.

With the continuing increases in electricity prices, using energy efficient heating solutions during winter is quickly becoming a requirement for reducing electrical costs. Speedfit UFH can be designed for use with solar panels, heat pumps, natural gas boilers, or even a combination of these solutions for savings of over 80% compared to older types of heating.

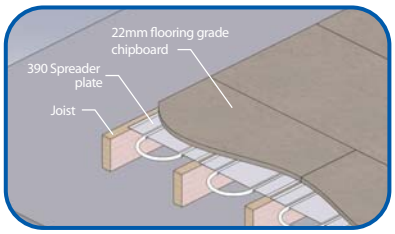
The installation process is simple and incorporates the world famous JG Speedfit Push-fit connectors built into the manifolds to ensure a fast and reliable connection.

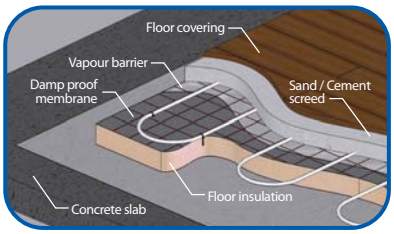
Speedfit Africa, the appointed Master Distributor of JG Speedfit products is at hand to provide you with a total delivery package including design, installation, project management, commissioning and training. This is backed with comprehensive guarantees and annual services tailored to your needs.

Diagram 1



Radiant Hydronic Heating vs. Convection Radiator Heating





For detailed information and downloads on our UFH solution visit **www.speedfitufh.co.uk**

Alternatively you can contact us for a meeting or free quotation on:

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Supplied and installed by

Speedfit® Africa
Make the right connection

ENVIRONMENTALLY FRIENDLY
PHACT Polymer Hot And Cold Technology Association
THE UNDERFLOOR HEATING MANUFACTURERS' ASSOCIATION
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