

# Specification Data

## Amuheat Speedfit Hydronic

*The Amuheat Speedfit underfloor heating system has been designed to be as quick and easy as possible to install. Water is pumped from a boiler or other heat source to the pump pack on the manifold, then distributed to the heating circuits made using the Speedfit barrier pipe. The pipe is laid in concrete, screed or suspended just below the surface of timber flooring.*

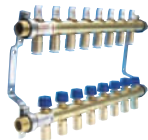
### General Information

- Amuheat Speedfit a hydronic floor heating system designed for use in-slab or screed, connected to a gas or electric boiler, or HWT.
- Speedfit is suited for new builds and renovations in-concrete or in-screed, for bathrooms and living spaces such as home theatres, family rooms, rumpus rooms, bedrooms & offices.

### Product Approvals

- Manufactured to UK & European standards
- ISO 9001
- DIN4726

### Speedfit Manifolds



- Manufactured from high quality DZR brass.
- Complete with adjustable flow gauge, drain valve and air bleed valve.
- Available in 4, 6, 8, 10, 12 zones

### Speedfit Pump Pack



- Hot water is taken from the boiler or HWT, mixed to the required temperature and circulated via the manifold to the heating circuits.

### Speedfit Barrier Pipe



- Offered in PEX, Speedfit pipe has an inner barrier to prevent the ingress of atmosphere.
- For in-screed applications, the pipe is attached directly to insulation with staples, clips or rails.
- Spreader plates are available for timber flooring

### Actuator Valves



- Actuators attached to individual heating circuits on the manifold provide individual control to a room or zone.
- They open or close the flow of water and are controlled by a thermostat or programmer.

### Speedfit Thermostat Controls



- Programmable room thermostats can be set to give each zone an individual time and temperature control.
- Manual room thermostats can be set to give each zone individual temperature control.

### Speedfit Wiring Centre & System Timer

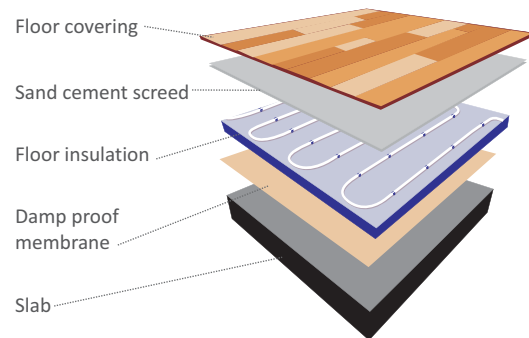


- The wiring centre is used to connect the wiring from the thermostat, actuators, boiler and pump and manages the control of the underfloor heating system.
- The system timer provides centralised control of the set back functions for the whole manifold, alternating between daytime and setback time.

## Brief installation guide of Amuheat Speedfit Barrier Pipe

### Solid Floor Installations

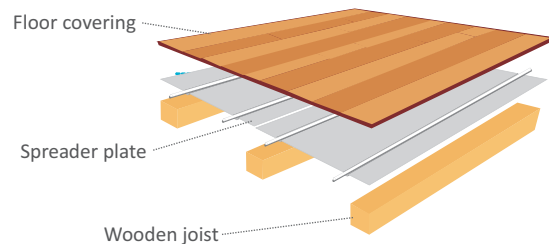
- The screed is an important and integral part of the floor heating system, transferring heat energy from the pipes to the area being heated. The response of this thermal mass will depend on its depth and make up.
- The usual depth of screed is 65-75mm thick, but it is possible depths can be reduced to assist in improving performance.



### Timber Floor Installations (new floors)



- Spreader plates are available for timber flooring. They allow the heat from the pipe to spread more evenly across the floor.
- Spreader plates 390mm x 1000mm and 390mm x 250mm are designed for use with traditional joists at 400mm centre's. They are laid across the joist and fixed in place.
- The Speedfit pipe is pushed into the grooves in the plate before the flooring is laid on top.



### Timber Floor Installations (retrofit)



- Spreader plates are available for timber flooring. They allow the heat from the pipe to spread more evenly across the floor.
- Spreader plates 165mm x 1000mm can be used with traditional joists and with the floor already in place. They are fixed to the underside of the floor using staples or screws.
- The Speedfit pipe is fitted in the grooves of the plates and insulation is placed between joists to the underside of the plates.

