

# AmbiFloat 10 Suspended Floating Floor Construction

ambiente  
**WMS**

Underfloor Heating

t: 01707 64 99 22 w: wms-uk.com e: sales@wms-uk.com

**Timber flooring**

**Grooved and foiled insulation board**

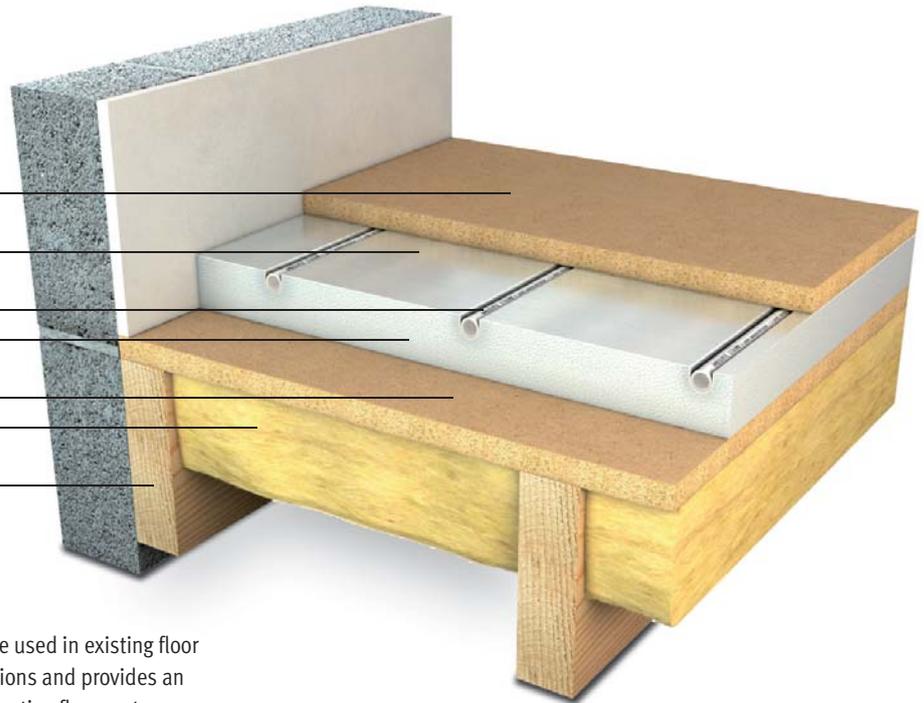
**17mm Ambiente UFH pipe**

**Acoustic detail (if required)**

**Timber subfloor**

**Insulation**

**Joists**



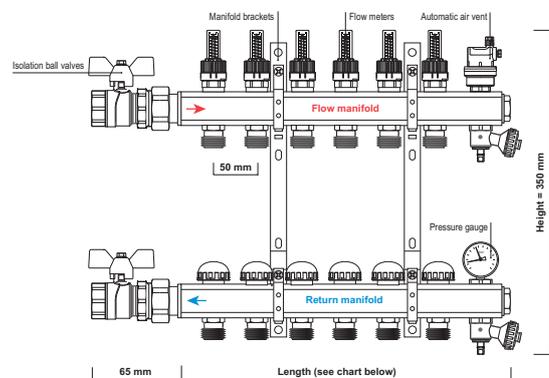
## System Overview

The AmbiFloat 10 suspended system can be used in existing floor constructions as well as new build applications and provides an overall cost effective solution. As with all floating floor systems, it requires a flat and level solid sub floor for the insulation to fully support the floor finish laid on top. The insulation is pre-grooved to take the underfloor heating pipework and overlaid with foil to distribute the heat. The polystyrene insulation panels are manufactured per project to suit the underfloor heating design drawings.

The installation involves covering the complete floor area with insulation and where necessary using battens to provide extra support to door thresholds or perimeter edging. The pipework is then laid into the grooves as per the installation drawings and taken back to the manifold to complete the circuit. The installation terminates at the manifold assembly unit which is complete with the necessary valves and regulators at pre-arranged locations shown on the drawing opposite. To complete the installation, the manifold is pressure tested and signed off by WMS' installation engineer and witnessed by a site representative.

The system is then overlaid with a fully floating floor deck onto which your floor finish is applied. In the case of wooden floors, this can be laid directly on to the insulation to minimise height buildup and maximise the heating output.

## Manifold Dimensions



## Manifold Sizing Chart

Number of ports	2	3	4	5	6	7	8	9	10	11	12
Length (mm)	180	230	280	330	380	430	480	530	580	630	680

The recommended minimum installation distance between finished floor level (FFL) and the bottom of the manifold is 200mm with 75mm clearance above the manifold and 50mm at either side for maintenance purposes.