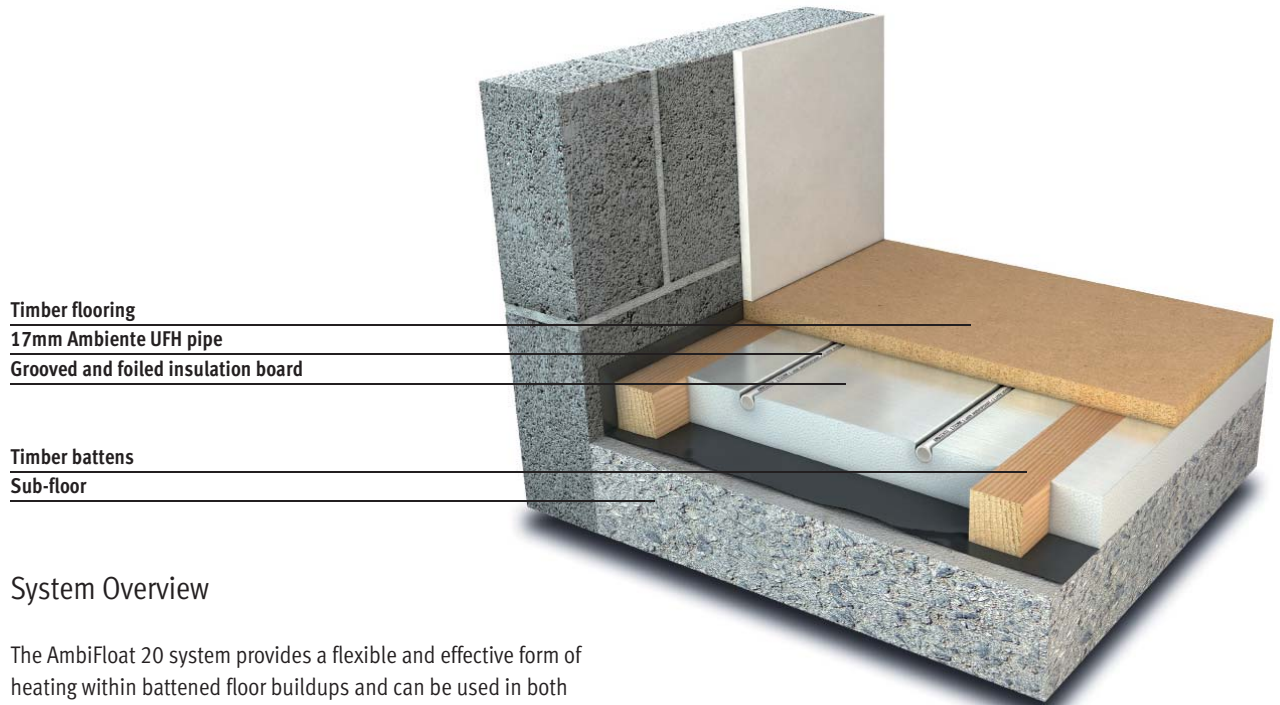


# AmbiFloat 20 System Battened Floor Construction

ambiente  
**WMS**

Underfloor Heating

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**Timber flooring**  
**17mm Ambiente UFH pipe**  
**Grooved and foiled insulation board**

**Timber battens**  
**Sub-floor**

## System Overview

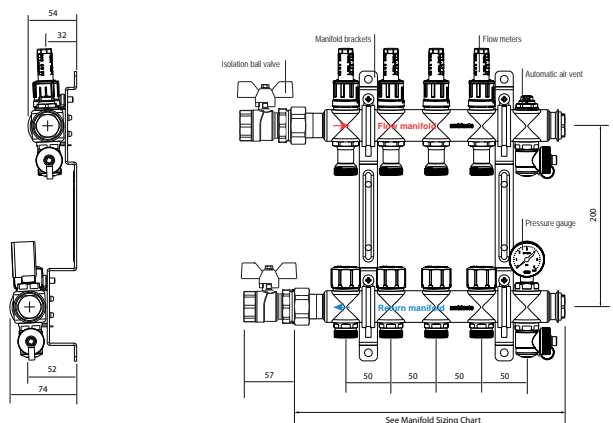
The AmbiFloat 20 system provides a flexible and effective form of heating within battened floor buildups and can be used in both existing and new build applications with minimal effect to the overall floor build up. It can also be easily adapted to suit sprung sports floors, acoustic batten floors and over-battened floors.

Timber floor battens are fixed down to the subfloor in the normal way in preparation for the insulation to be installed in between. The insulation panels are grooved and foiled to suit the individual requirements of each project. The underfloor heating pipework is then installed into the grooves within the insulation.

The insulation panels are foiled to ensure an even distribution of heat is achieved across the floor surface. Typically, this system can achieve a maximum heat output of 70 watts per m<sup>2</sup>.

The installation is complete once all the pipework has been installed and connected up to the underfloor heating manifold. The system is then pressure tested and left under pressure while the floor covering is laid. The pressure test should also be witnessed and signed off by a site agent. Your Ambiente accredited installer will supply a drawing after the installation for the client's records.

## Manifold Dimensions



## Manifold Sizing Chart

Number of ports	2	3	4	5	6	7	8	9	10	11	12
Manifold Length (mm)	192	242	292	342	392	442	492	542	592	642	692

Recommended minimum installation clearances: 200mm between the finished floor level (FFL) and bottom of the manifold, 100mm above the manifold, 50mm to either side of the manifold and allow an extra 100mm for the supply pipe work.