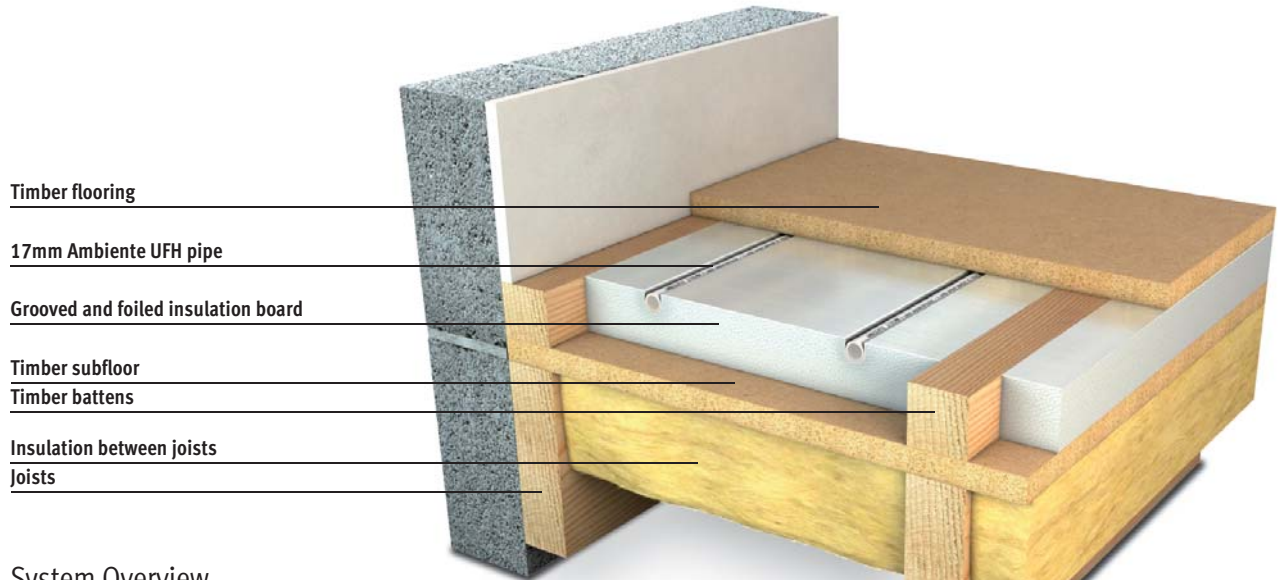


AmbiFloat 20 System Battened Floor Construction

WMS
Underfloor Heating

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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 and acoustic batten floors. It is an excellent solution for use over I-beams where the joists cannot be notched or existing floors where the floor boards cannot be removed.

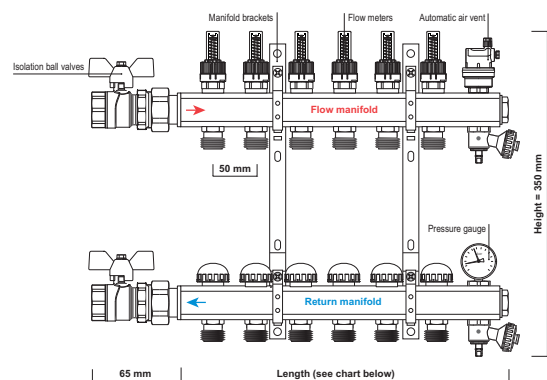
The timber floor battens are fixed down to the subfloor in the normal way. The insulation panels are pre-cut to size to suit the batten spacings. Once prepared and laid, the underfloor heating pipework is then installed into the grooves within the insulation.

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 m².

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 is also witnessed and signed off by a site agent.

If controls are required from WMS, then these are supplied as loose items for others to fit.

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.