AMBIFLOAT 20 SYSTEM

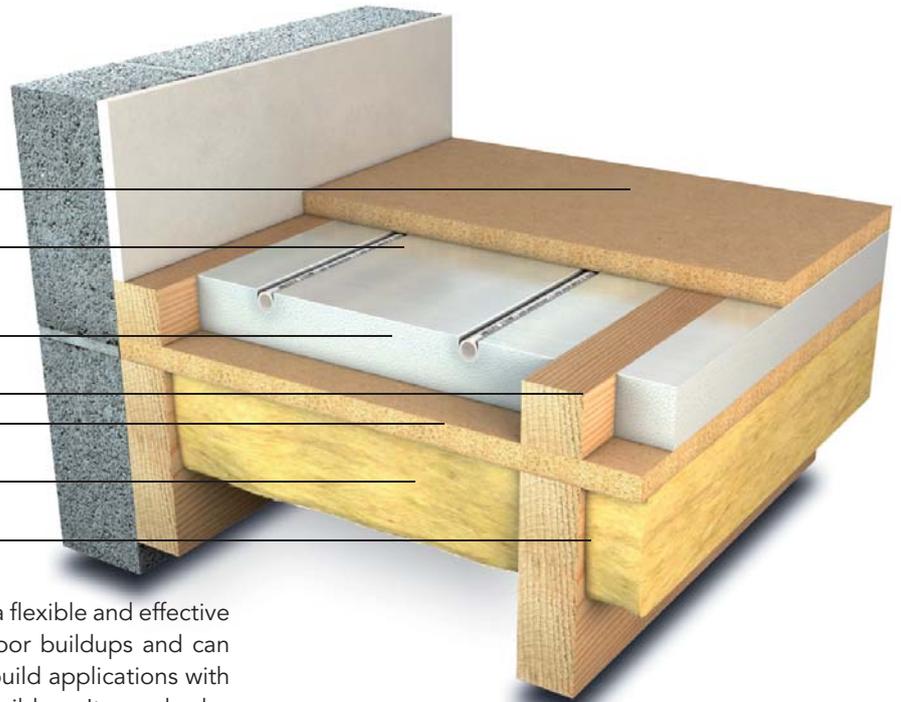## BATTENED FLOOR CONSTRUCTION

Upper flooring substrate

17mm Ambiente UFH pipe

25mm EPS250 grooved and foiled
AmbiFloat insulation

Timber/acoustic battens
Timber subfloor

Insulation between joists

Levelled joists

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.
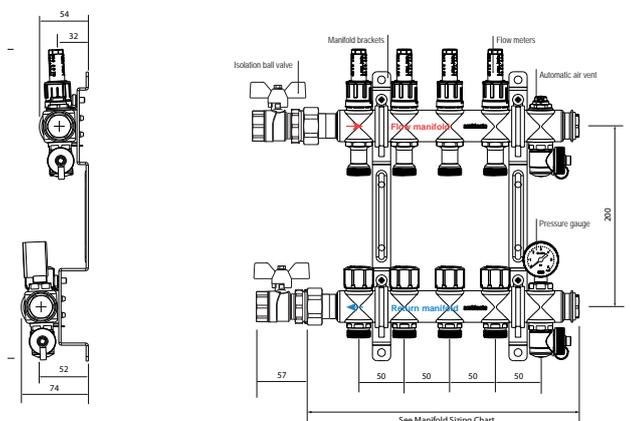
The installation is complete once all the pipework has been installed and connected up to the underfloor heating manifold. The system is then pressure tested and left under pressure while the floor covering is laid. The pressure test is also witnessed and signed off by a site agent. If controls are required from WMS, then these are supplied as loose items for others to fit.

Typical floor build-up detail only. For specific information refer to architect's details.

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.

WMS Underfloor Heating Ltd, Heritage House, Woodside Lane, Brookmans Park, Hertfordshire, AL9 6DE
T: 01707 64 99 22   **E:** sales@wms-uk.com   **W:** wms-uk.com

WMS
UNDERFLOOR HEATING