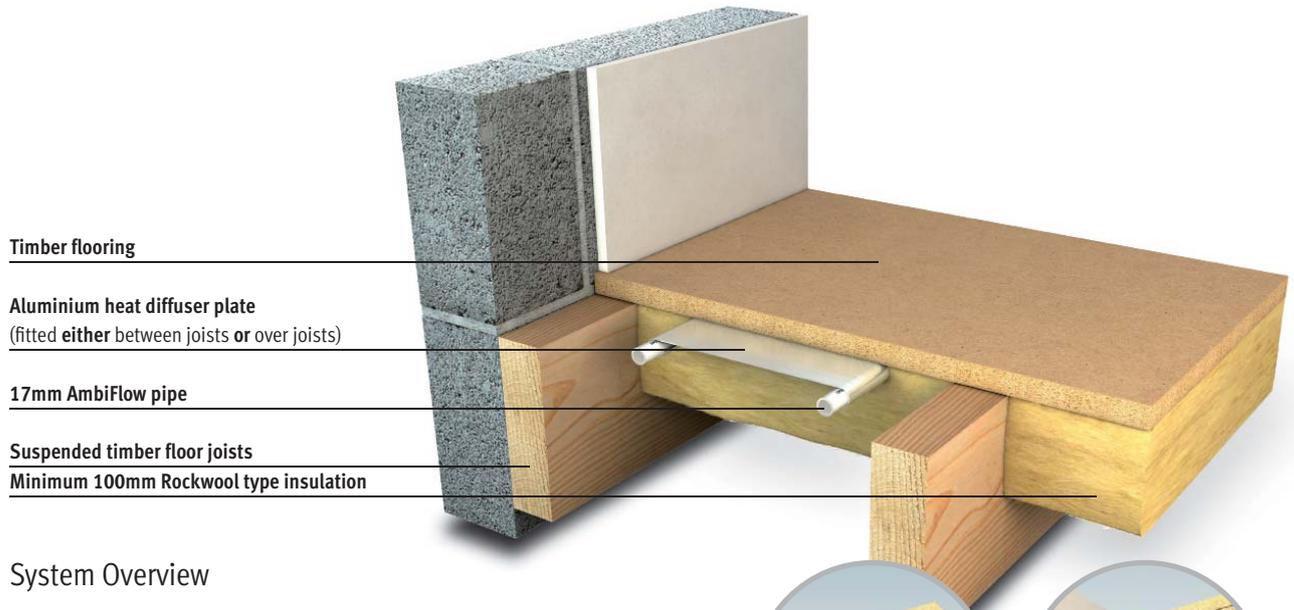


AmbiPlate 80 Series

ambiente
WMS

Underfloor Heating

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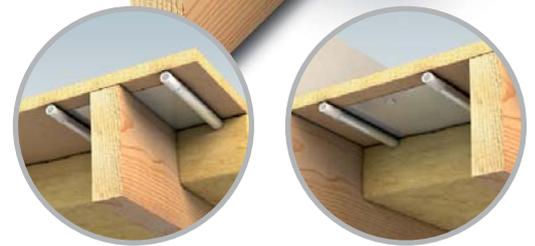
System Overview

Combining contemporary heating technology with traditional timber floors, the AmbiPlate 80 series is designed specifically for retrofit or refurbishment projects. The aluminium plates, which are manufactured and rolled in accordance with the project design, can be installed from either below or above, depending on access.

If installed from above, the plate is fixed centrally on top of the joists ready to accept the timber floor layer over the top (section A). If installing from below, the plate is fixed to the underside of the timber floor layer (section B). Pipework is installed into the diffuser plates as per the installation drawings.

The insulation, typically a minimum of 100mm, should be fitted between the joists. Install as close to the underside of the pipework and flooring as possible (as illustrated) to maximise heating output. Rigid insulation can be used to achieve better thermal values but it is essential that any air void is sealed so that heated air cannot escape.

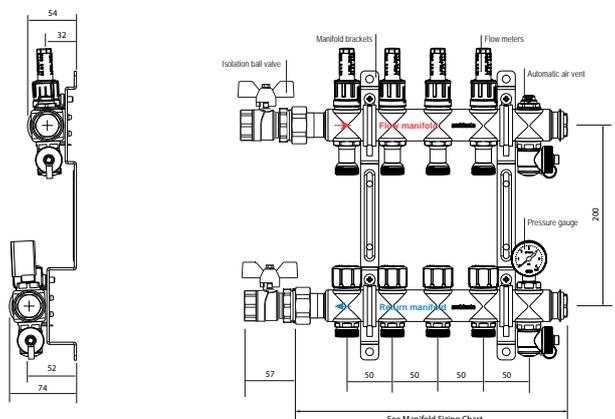
The installation is completed at the manifold assembly (as shown on the right). The system is then pressure tested to 4 bar and witnessed by a site agent and signed off. Your Ambiente accredited installer will supply a drawing after the installation for the client's records.



Section A

Section B

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.