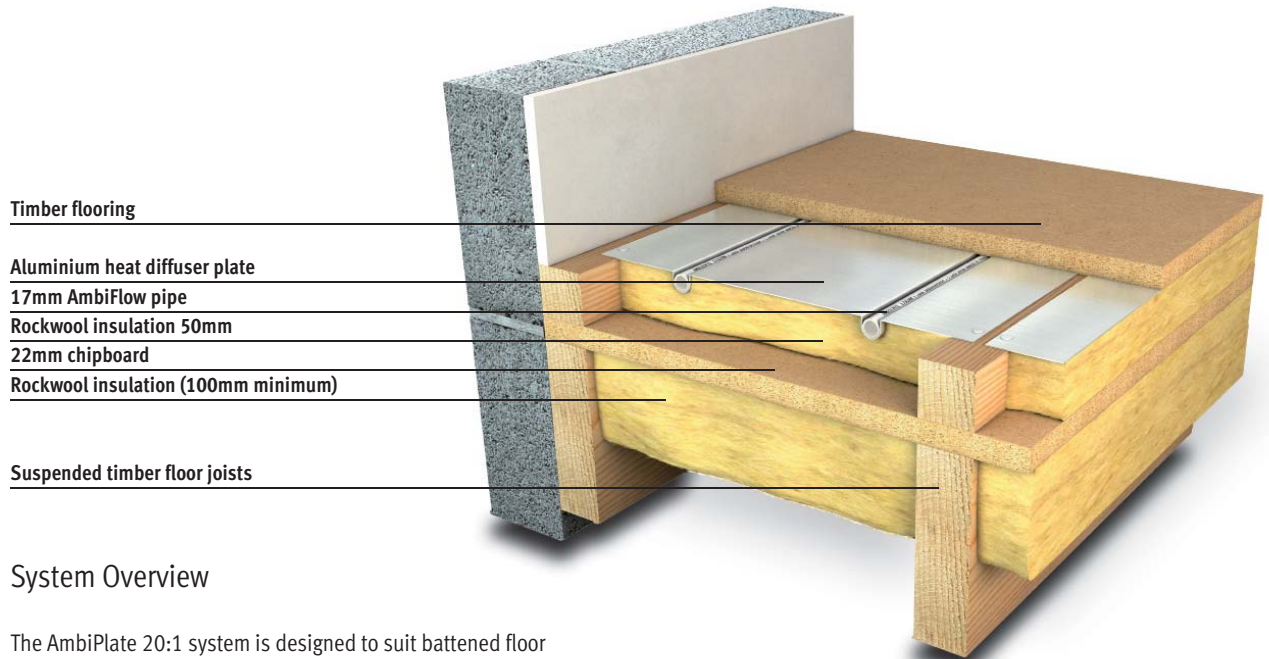


# AmbiPlate 20:1 System Battened Floor Construction

**WMS**  
Underfloor Heating

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**Timber flooring**

**Aluminium heat diffuser plate**

**17mm AmbiFlow pipe**

**Rockwool insulation 50mm**

**22mm chipboard**

**Rockwool insulation (100mm minimum)**

**Suspended timber floor joists**

## System Overview

The AmbiPlate 20:1 system is designed to suit battened floor buildups but can be easily adapted to suit sprung sports floors, acoustic batten floors and over-battened floors.

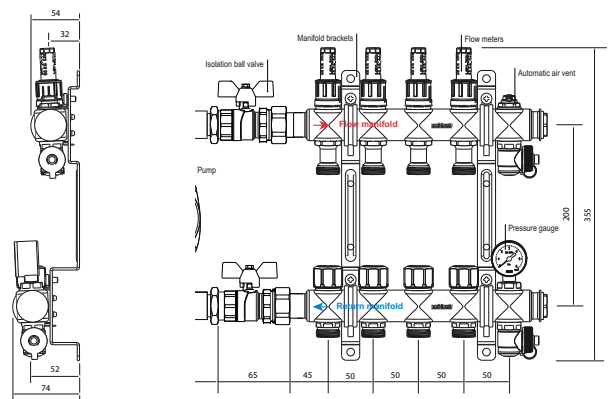
Before the underfloor heating system is installed, insulation should be laid between the battens as close as possible to the underside of the pipework in order to maximise heating output.

The system consists of aluminium diffuser plates that are fixed between the battens. These plates contain grooved channels into which the underfloor heating pipework is laid in continuous lengths that are connected back to the underfloor heating manifold.

Following completion, the system is pressure tested to 4 bar and witnessed by a site agent before final sign-off. We recommend that the system should be left under pressure while the timber flooring is being laid in order to highlight any damage to the pipe work that may have occurred during the construction process.

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.