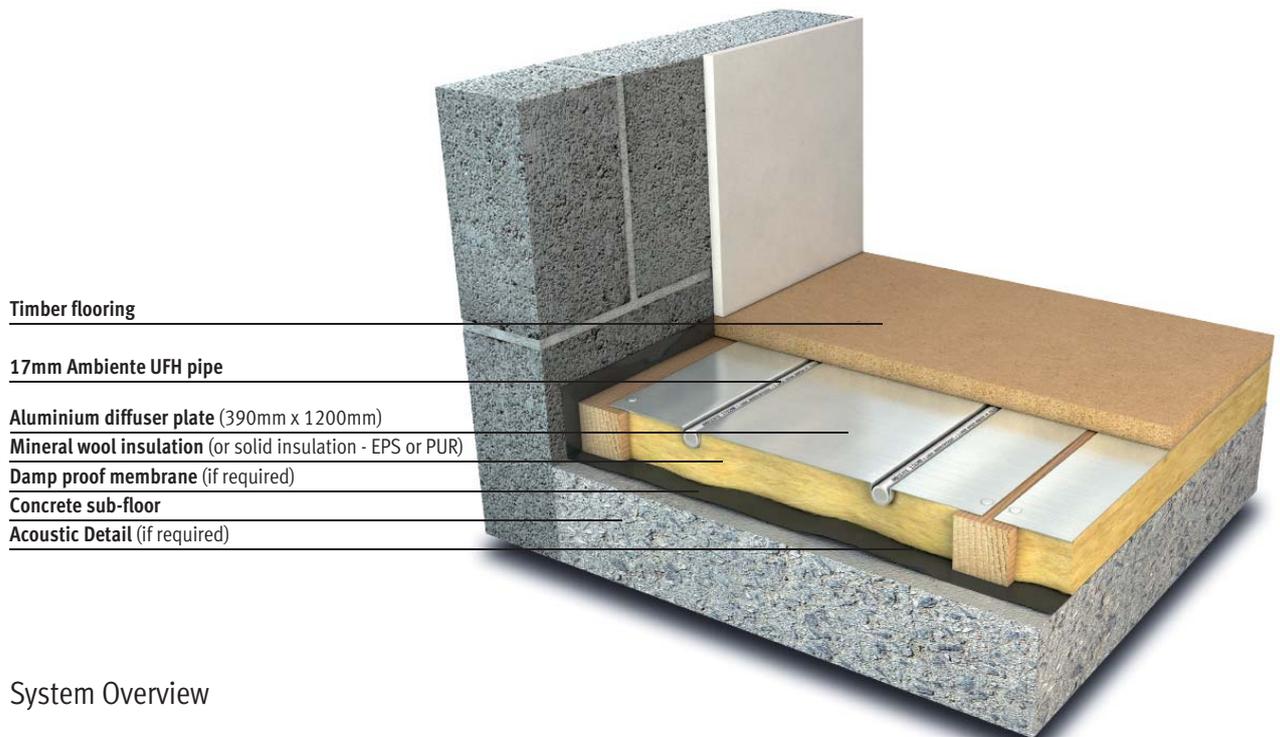


# AmbiPlate 20 System Battened Floor Construction

**WMS**  
Underfloor Heating

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**Timber flooring**

**17mm Ambiente UFH pipe**

**Aluminium diffuser plate (390mm x 1200mm)**

**Mineral wool insulation (or solid insulation - EPS or PUR)**

**Damp proof membrane (if required)**

**Concrete sub-floor**

**Acoustic Detail (if required)**

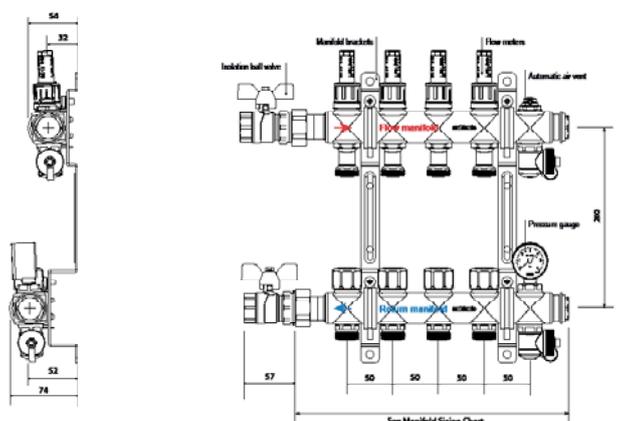
## System Overview

The AmbiPlate 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 and should be laid as close as possible to the underside of the pipework to maximise heating output.

The system consists of aluminum diffuser plates being fixed directly on to the battens. The plates contain grooved channels into which the underfloor heating pipework is installed in continuous lengths and piped back to the underfloor heating manifold. The system is then pressure tested upon completion to 4 bar, witnessed by a site agent and signed off. The system should be left under pressure whilst the timber flooring is being laid to highlight any potential damage to the pipework during this 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.