

# AmbiTak System Screeded Floor Construction

**WMS**  
Underfloor Heating

t: 01707 64 99 22 w: wms-uk.com e: sales@wms-uk.com

**Floor screed**

**Expansion edging and wall insulation**

**Tacker staples**

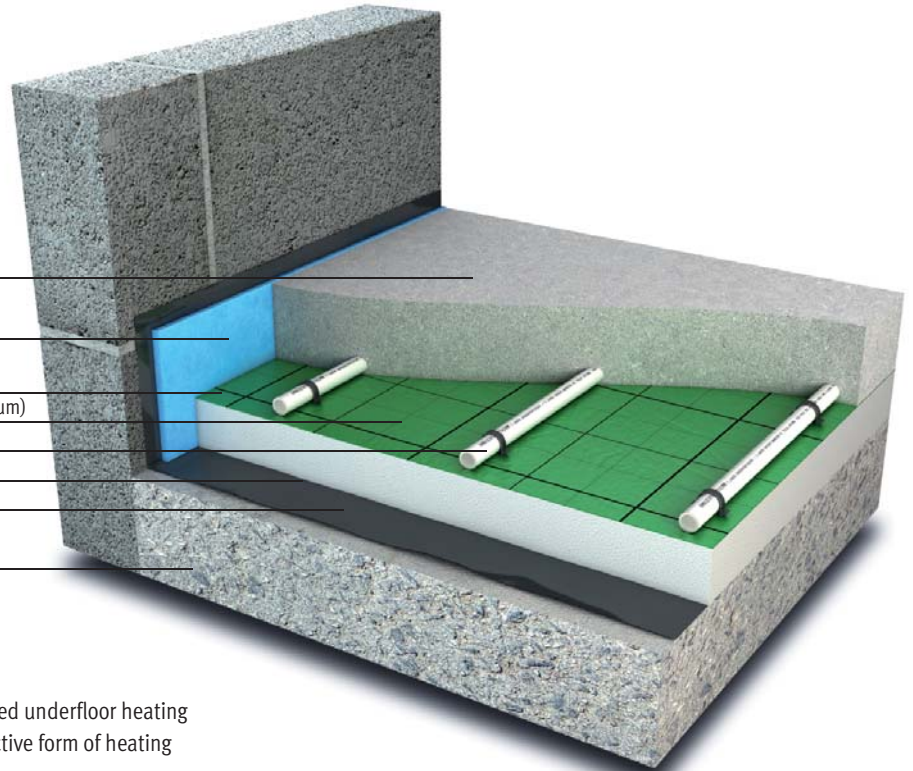
**Laminated insulation gridboard (25mm minimum)**

**17mm Ambiente UFH pipe**

**Acoustic detail (if required)**

**Damp proof membrane (if required)**

**Concrete sub-floor**



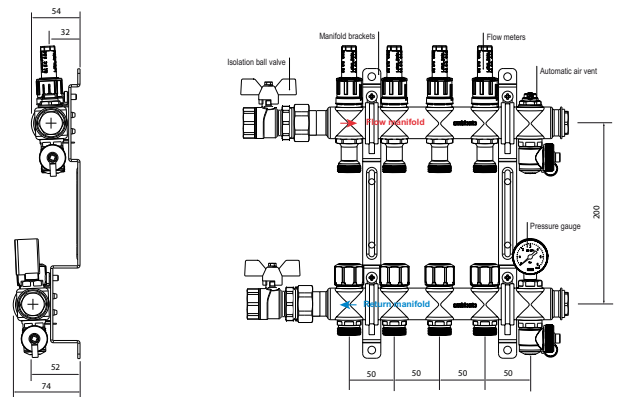
## System Overview

The AmbiTak system is a very commonly used underfloor heating system providing a quick, flexible and effective form of heating within a screeded floor buildup.

Primarily this system is used in conjunction with the laminated and gridded EPS insulation board. This provides a strong base to fix to and the grid lines act as a guide to help install the pipework at the correct spacings. Edge and floor insulation is installed over the subfloor on to which the underfloor heating pipe is laid and fixed using barbed tacker staples. Where insulation is not supplied, checks should be made to ensure that the insulation is compatible with this system.

The pipework is laid in continuous loops and clipped down in accordance with the installation drawings. Once complete, the system is pressure tested and witnessed to finalise the installation. We recommend that the screeding process is scheduled to follow shortly after installation to avoid leaving the system vulnerable to damage. If a liquid screed is being used, the insulation must be sealed to provide a watertight base. 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.