

# AmbiLowboard System Floating Floor Construction

**WMS**  
Underfloor Heating

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**Screedboard or timber flooring**

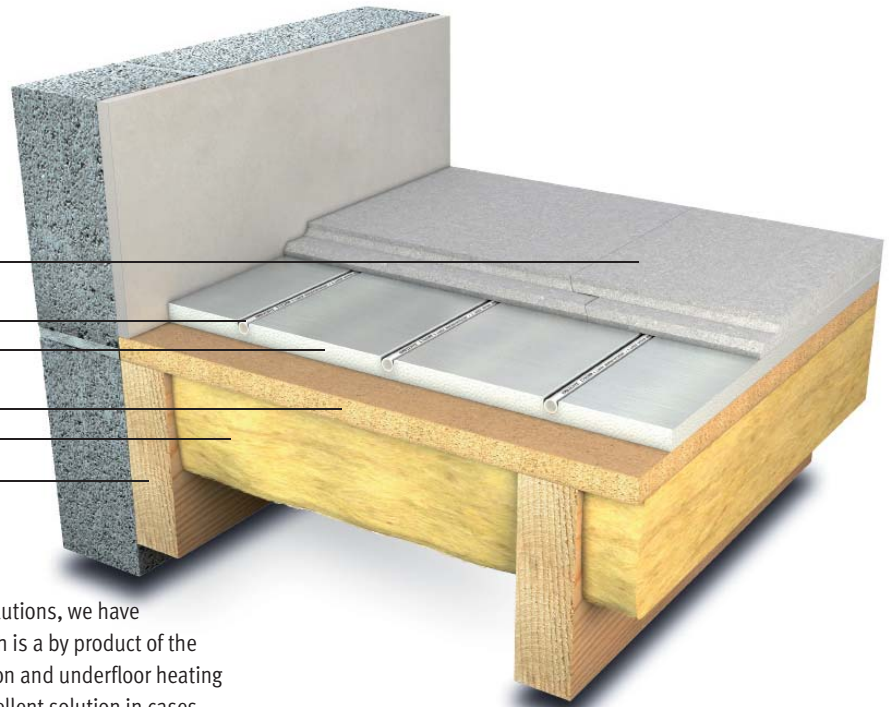
**12mm Ambiente UFH pipe**

**18mm grooved and foiled insulation**

**Timber subfloor**

**Insulation**

**Joists**



## System Overview

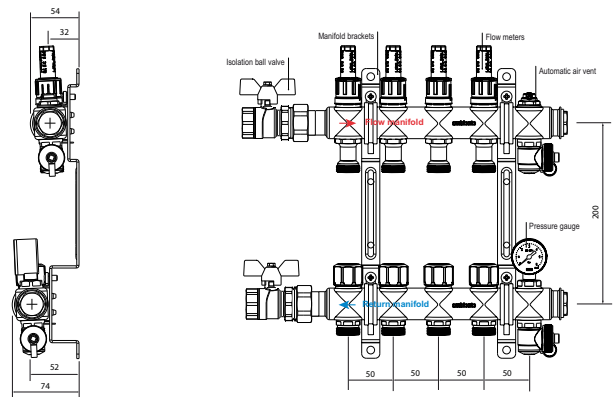
As part of our range of low floor buildup solutions, we have developed the AmbiLowboard system which is a by product of the AmbiFloat range incorporating the insulation and underfloor heating pipework within only 18mm. This is an excellent solution in cases where the floor buildup depth is limited - commonly found on refurbishment projects where door and ceiling heights are fixed.

The AmbiLowboard system can be used in existing and new build applications. It requires a flat and level solid sub floor for the insulation to fully support the floor finish on top. The insulation is pre-grooved to take the 12mm underfloor heating pipework and over laid with foil to assist the distribution of heat. The polystyrene insulation panels are manufactured as per the design drawings.

The installation involves covering the complete floor area with insulation and where necessary using battens to provide extra support to door thresholds or perimeter edging. The pipework is then laid into the grooves as per the installation drawings and taken back to the manifold to complete the circuit. The installation is completed once the manifold has been pressure tested and signed off by a site representative.

The system is then overlaid with a fully floating floor deck or screedboard onto which your floor finish is applied. In the case of wooden floors, this can be laid directly on to the insulation to minimise height buildup and maximise the heating output.

## 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.