

AmbiWall System

WMS
Underfloor Heating

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17mm PE-RT Pipe

50mm EPS100 insulation with reflective foil

50mm batten

typical heat output
60/70w per m²*
Flow temperature of 50° and return 40°

System Overview

The AmbiWall system transforms walls and ceilings into efficient, fast-response heating and cooling surfaces where energy is evenly distributed over the wall or ceiling to provide a pleasant room temperature with no dust creating circulation of air and, unlike radiators, no hot surfaces. The system allows for both heating during the winter months and cooling during the summer. It can be easily retrofitted on a 'room by room' basis as part of minor refurbishment work or fitted during construction for new build projects.

The system is fixed to the wall with grooved EPS100 insulation support plates (with integral aluminium reflective surface) between battens that are fixed to the wall. High performance 17mm PE-RT pipes are evenly spaced across the surface area to ensure an even distribution of heat or cooling energy.

* Output based on painted 12mm plasterboard covering with one layer of skim plaster

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.



Manifold Dimensions

