

AMBIAF SYSTEM

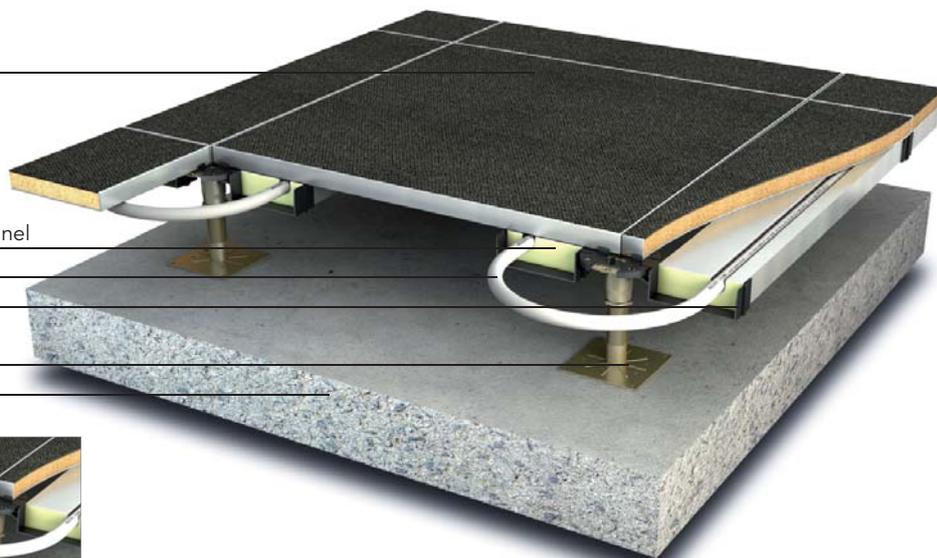
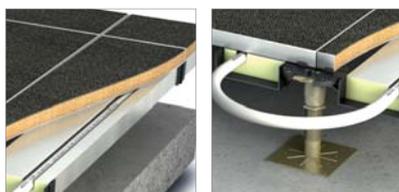
RAISED ACCESS FLOOR CONSTRUCTION

SYSTEM OVERVIEW

600mm flooring panel

Foiled and grooved insulation panel
17mm Ambiente UFH pipe
Pedestal bracket

Access flooring pedestal
Concrete sub-floor



The AmbiAF system is uniquely designed to incorporate underfloor heating into a raised access floor construction. A U-shaped bracket is mounted on to the pedestals on to which insulation profiles are installed. The 35mm x 100mm insulation panels are made of high density insulation and foiled to optimise the energy transfer. This contains a grooved channel into which the underfloor heating pipework is installed with no joints within the floor and piped back to the underfloor heating manifold as detailed on the right. The concept is simple but does require liaison with the access flooring specialist during the design and installation.

This system lends it self towards most of the common raised access flooring manufacturers and whilst providing a heating or cooling source, will still maintain full access to services within the floor void.

This system can take flow temperatures up to 60°C producing outputs between 50-60 w/m². This system can also be disassembled and relaid at a later date if required.

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

