

- 30mm acoustic wood fibre system
- Low profile radiant heating panel system

The JUPITER IDEAL ECO system is an engineered underfloor heating system manufactured from 180kPa recycled wood fibre. The system is 30mm thick providing a thermal R value of 0.75m<sup>2</sup>K/W and is designed to accept the 16mm JUPITER multi-layer PE/RT pipe. The raw woodfibre material has a density of 260 kg/m<sup>3</sup> and can provide an acoustic improvement of 24dB when used in conjunction with a dry screed replacement board of minimum mass 21 kg/m<sup>2</sup>.

The heating system consists of two panel types: 'Central zone' panels offer pipe centres of 250mm and 'Edge Zone' panels offer 125mm centres. Both of these panel types are manufactured with pre-affixed 0.5mm thick aluminium diffuser plates to optimise heat output and ensure an even spread of heat where possible. The channel within the aluminium diffuser plates is shaped like the Greek letter Omega (Ω) but upside-down to provide better encapsulation the of pipe.

Central Zone panels are made up of 8 segments and Edge Zone panels are made up of 16 individual segments. Panels can easily be cut to required dimensions with either a jigsaw or hand held circular saw.

Both panel types measure 1000mm x 500mm.



Central Zone Panel



Edge Zone Panel

Header panels to return the pipe at the end of a run are supplied with or without aluminium diffuser plates and are available for both 250mm and 125mm centre systems.

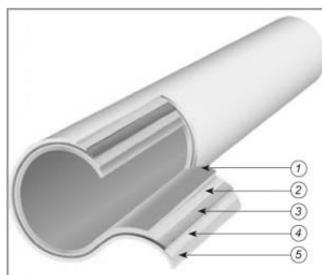
Unheated areas such as under kitchen cupboards, fitted furniture, baths and shower trays can be filled with similar, 30mm thick blank wood fibre insulation panels. Tailored pipe runs can be formed within these panels using a hand router and 16mm routing bit.



Header Return Panels

Additional Panels

The JUPITER multi-layer system pipe is manufactured in Germany to DIN 16836, carries a 10 year warranty and has a minimum design life of 50 years.



- 1 Polyethylene RT
- 2 Adhesive
- 3 Aluminium
- 4 Adhesive
- 5 Polyethylene RT

