

- 19mm high density Neopor system
- Ultra low profile Neopor radiant heating panel system

The JUPITER IDEAL NEO19 system is a truly engineered underfloor heating system manufactured from injection-moulded, 240kPa compressive strength Neopor. Neopor is an advanced insulation that outperforms EPS at the same thickness. Graphite is used during the manufacture of our heating panels to enhance their thermal resistance, also giving the NEO19 panel its characteristic grey appearance.

The NEO19 system at only 19mm in height is the slimmest, dry-installed heating system that still incorporates a 16mm PE/RT pipe.

The system consists of two panel types; one type for 250mm pipe centres and one type for 125mm pipe centres. Both panel types are manufactured with an integral 0.5mm aluminium diffuser plates to optimise heat output and ensure even heat across the floor. The channel within the aluminium diffuser plates is omega formed to provide better encapsulation of the pipe.

Being only 19mm the panel can only have a reduced R value of only  $R=0.51 \text{ m}^2 \text{ K/W}$  (125mm panels) and  $R=0.55 \text{ m}^2 \text{ K/W}$  (250mm panels).

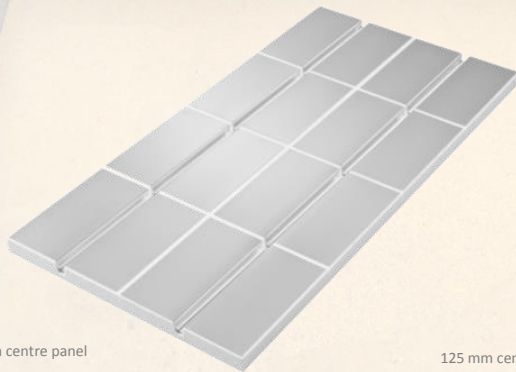
250mm centre panels are made up of 8 segments which can be easily snapped to size along the break points. Similarly the 125mm centre panels are made up of 16 individual segments.

Both panel types measure 1000mm x 500mm.

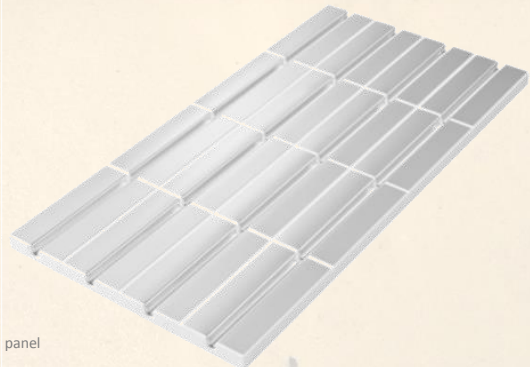
Panels to return the pipe and the end of a run are supplied with or without aluminium diffuser plates and are available for both 250mm and 125mm centre systems.

Unheated areas such as under kitchen cupboards, fitted furniture, baths and shower trays can be filled with similar, 30mm thick blank EPS insulation panels. Tailored pipe runs can be formed within these panels using a hot wire cutter if required.

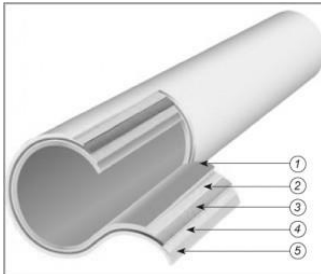
250 mm centre panel



125 mm centre panel



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

