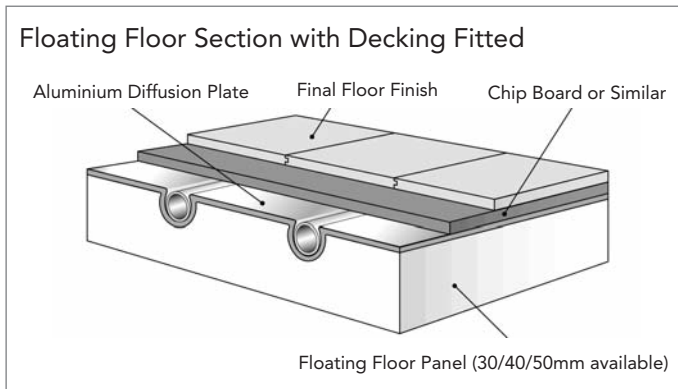


# FLOORTEC Underfloor Heating

## Floating Floor Specification



## Materials

Floating Floor - 17mm x 2mm dia PE-Xa high-density cross-linked polyethylene pipework with oxygen diffusion barrier conforming to DIN 4726 and BS 7291, 30mm, 40mm or 50mm pre-grooved extruded polystyrene panels (2400mm x 1200mm), **MYSON FLOORTEC** aluminium diffusion plates and flat plates, manifolds (includes 17/2mm manifold couplings, 25mm ball valves, pipe bend supports, pressure gauge and automatic air vent).

The **MYSON FLOORTEC** Floating floor system has been uniquely developed to meet the increasing demand for this type of flooring structure. Floating floor structures have a low thermal mass and consequently have a swift response time to changes in temperature. Floating floors can be used in conjunction with a proprietary resilient layer to meet the requirements of building regulations, approved document E.

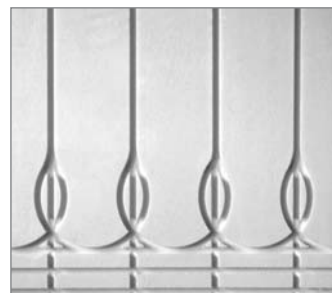
The grooves are designed to accept **MYSON FLOORTEC** preformed aluminium diffusion plates, which spread the heat laterally across the floor from the heating pipework.

Floating floor panels are laid with the radius return at each end of the room, with sheets butt-jointed and cut to size. Once the panels are laid, aluminium diffusion plates are fitted into the insulation.

The area at the end of each pipe run is left clear of plate to allow for the pipe turns. However, to assist in heat distribution and to ensure a uniform floor level is achieved, these areas are covered with flat aluminium plates.

Underfloor heating pipework is laid into the aluminium diffusion plates, and, after pressure testing, the floor decking is floated onto the floor.

The decking will conventionally be a tongue and grooved flooring material with the panels glued together along the tongue and groove. Adhesive should be applied to both sides of the joint to ensure a sound fixing. The floor decking is left 10mm short of the walls of the room to allow for expansion of the decking and is held in place at the edges, usually by the skirting board.



Floating Floor



Underfloor heating pipe

### Polyfoam XPS specification:

Nominal Density	30 kg/m <sup>3</sup>
Thermal Conductivity	0.029 W/mK
Min Compressive Strength	200 kPa
Long Term Static Load	40 kPa
Occasional Loading	66 kPa
Water Vapour Resistance	480MN <sub>s</sub> /gm
Moisture Absorption (vol)	0.3%
Continuous Service Temperature Limits	-50 to +75°C