


# FLOATING FLOOR

Polyplumb floor heating is ideal for floating floors above existing timber or solid sub-bases. It incorporates the Polyplumb floating floor panel, which is a high density polystyrene insulation sheet with pre-formed pipe grooves at 300mm centres. Each panel includes pipe bending grooves.

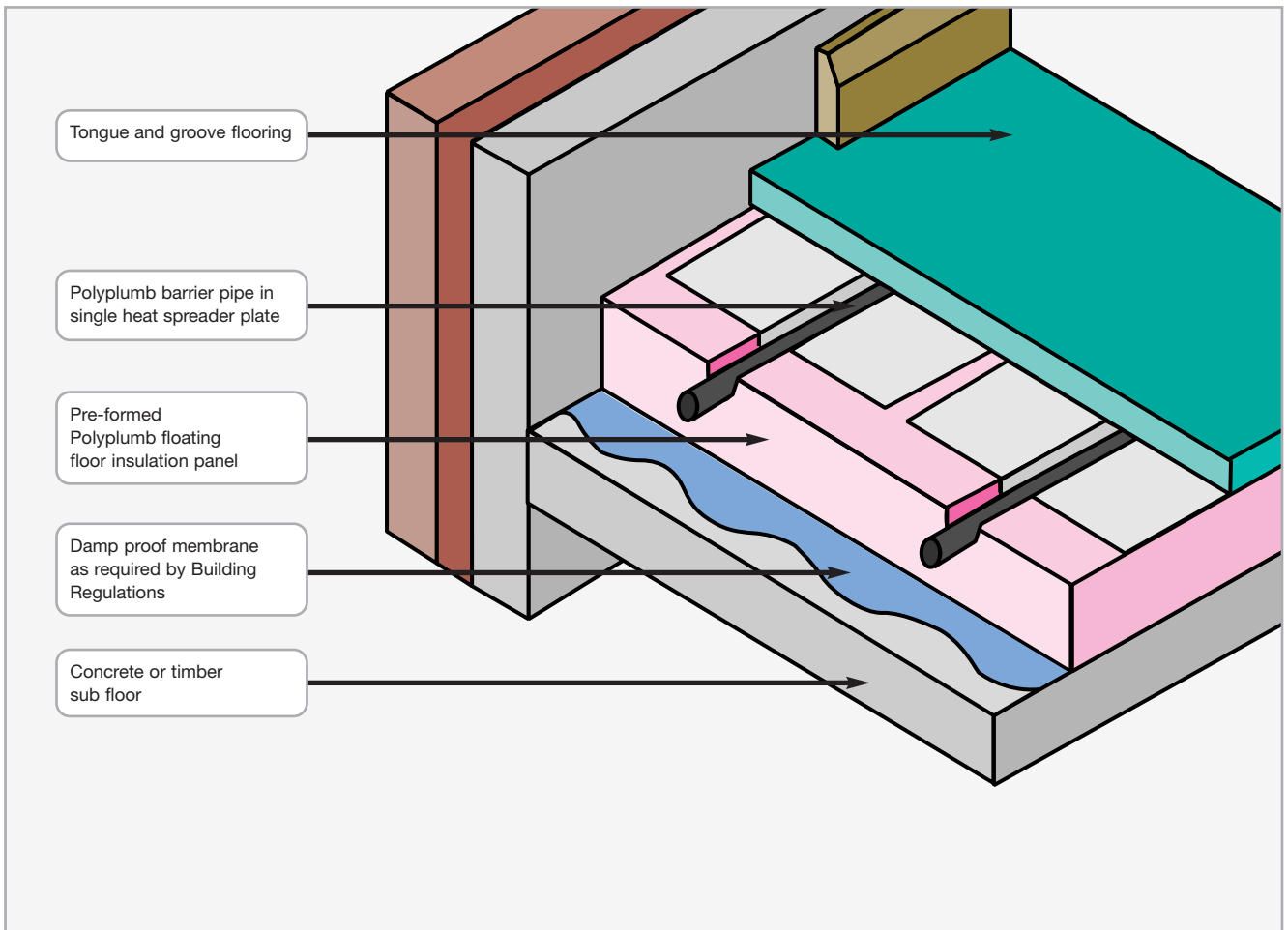
Key Design and Installation Information	
Maximum heat output	Approx 70w/m <sup>2</sup> (see output table)
Recommended design flow temperatures	60°C (see output table)
Maximum circuit length	80m (15mm pipe) 100m (18mm pipe)
Maximum coverage per circuit	25-8m <sup>2</sup> at 300mm centres (15mm pipe) 30m <sup>2</sup> at 300mm centres (18mm pipe)
Material Requirements (Approx)	
Pipe	3-1m/m <sup>2</sup> at 300mm centres
Floating floor panel	1 panel /1.4m <sup>2</sup>
Single spreader plate	3 plates/m <sup>2</sup>

**\* 1 2 3 PRODUCT SELECTION PROCESS**

Floating floor systems are available as House Packs

**AVAILABLE AS A HOUSE PACK** 

\*This product can be supplied as a **1 2 3** pack see pages 36-40 for more information



Floating floor installation diagram



Installation of floating floor panels



Single heat spreader plates are laid in the pre-grooved insulation



Pipe can be installed at the pre-designed centres of 300mm only



## Pre-installation requirements

The sub floor must be swept clean and be free from mortar residues.

## Floating floor panel

The 1200x1200x50mm floating floor panels are laid over the entire floor area to be heated, ensuring that the panel grooves are aligned. Panels can be cut to fit where necessary. A void in the insulation is often retained around the edge of rooms to allow for distribution pipes from the room to the manifold.

## Heat spreader plates

Single heat spreader plates are then laid in the pre-grooved insulation. These plates ensure an even spread of heat across the floor area and clip the pipe firmly into the panel (pictured top middle).

## Pipe

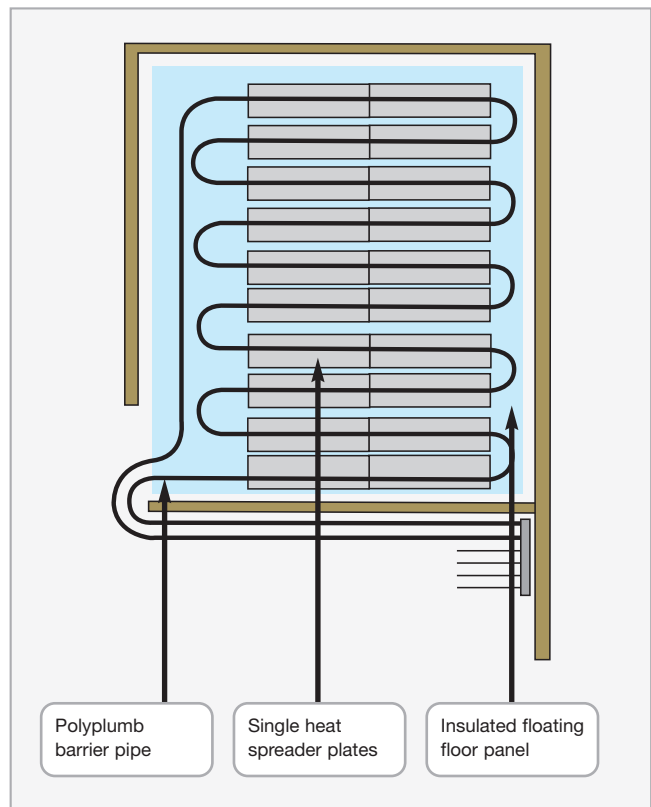
When the floor to be heated is covered by floor panels, pipe can be installed at the pre-designed centres of 300mm only (pictured top right).

## Pipe layout

The maximum circuit length is 80 metres using 15mm pipe, or 100 metres using 18mm pipe. Pipe should be laid in the pattern shown opposite.

## Floor covering

18mm and 22mm tongue and groove floor boards can be laid over the under floor central heating system in the normal manner.



Floating floor system: using panels and single heat spreader plates