



A **versatile, easy to fit system** ideal for use with heat pumps. Fast heat up time and minimal height build up. **A wet system with no wet trades!**

### No Need for Screeds or Levelling Compounds...

With excellent compressive strength and a patented pipe retention system, Thermotube provides a unique, floating floor heating panel onto which you can directly lay engineered timber flooring or Heat Pak (see p20) and vinyl or carpet flooring.

### Oxygen Impermeable Pipe

The heating pipe ( $\varnothing$  8mm) that is fixed to the steel panels, has an internal oxygen barrier and in this way minimises the corrodibility of the entire heating system.

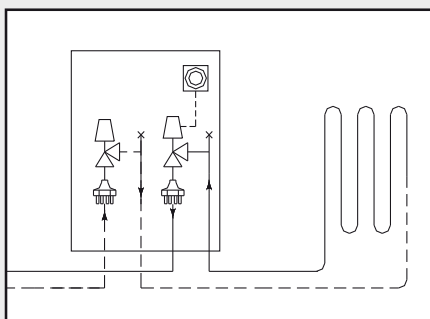
The oxygen permeability of the organic barrier (EVOH) is only approximately 0.02 g/m<sup>3</sup>d and therefore many times lower than required under DIN 4726.

The heating pipes are connected to the facility by the well-proven Thermogroup UK manifolds with push-fittings.



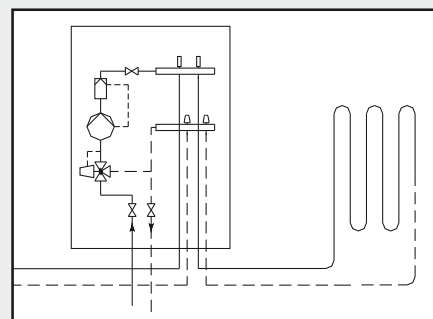
### Thermotube - Technical Data

PRODUCT	DESCRIPTION	MATERIAL
<b>Thermoplate</b>	<b>360 x 360 x 12</b>	<b>Injection Moulded Plastic</b>
<b>Load Bearing Capacity</b>	<b>&lt;500Kg</b>	<b>Avoid Point Loads at Perimeters</b>
<b>Thermotube</b>	<b>8mm x 1mm</b>	<b>5 Layer PE-RT Type 1 Pipe</b>
<b>Thermotube</b>	<b>Coverage</b>	<b>18lm per m<sup>2</sup></b>
<b>Heat Output /m<sup>2</sup></b>	<b>60 - 80 W/m<sup>2</sup></b>	



### Manifold Box up to 16m<sup>2</sup>

This diagram shows Connection Box & Thermostat configuration (complete as stock No 1222). This can connect up to 16m<sup>2</sup> using the sub manifolds. The set includes all connections, a Return Temperature Limiter (RTL) valve and a thermostat valved prepared for an actuator.



### Manifold for Larger Areas

This diagram shows manifold configuration for larger areas (4 port or 6 port). They come pre assembled including provision for connecting a pump (not included) mixer valve and thermostat valve prepared for an actuator.

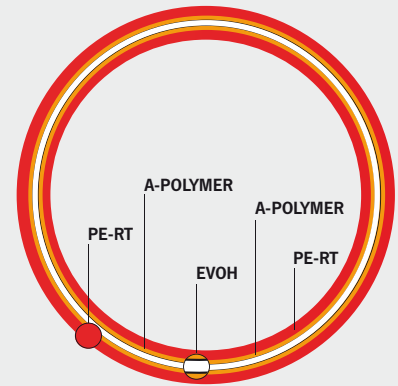
Wet Underfloor Heating Made Easy

Installation Calculations...

$$\frac{\text{Area to be heated (m}^2\text{)}}{0.115} = \text{required length of pipe (lm)}$$

$$\frac{\text{Length of pipe (lm)}}{36} = \text{required no. of heating loops}$$

Thermotube Cross Section



Thermotube utilises **Thermoplate**, a pioneering, floating floor heating panel with a height **build up of just 12mm**.

Thermotube & Accessories

STOCK NO	DESCRIPTION	SIZE	UNIT	EX VAT (£)
1226	Thermoplate Pipe Fixing Panel <b>NEW!</b>	0.36m x 0.36m	m <sup>2</sup>	POA
1201	Impact Sound Underlay	50m x 1m	m <sup>2</sup>	POA
1202	Perimeter Insulation Foam	50m x 0.08m	roll	POA
1203	Thermotube	8mm x 40m	coil	POA
1204	Thermotube	8mm x 200m	coil	POA
1205	Thermotube	8mm x 600m	coil	POA
1206	Copper Inserts		pk 10	POA
1209	Single Mini Connection Adapter Kit	1/2" Female	ea	POA
1210	Single Mini Connection Adapter Kit	1/2" Male	ea	POA
1211	Double Mini Connection Adapter Kit	1/2" Female	ea	POA
1212	Quad Mini Connection Adapter Kit	3/4" x 1/2"	ea	POA
1214	Pipe Repair Kit		ea	POA
1221	Manifold Housing	450 x 200 x 90	ea	POA
1222	Connection Box & Thermostat (up to 16m <sup>2</sup> )		ea	POA



Need help designing your system? Call 08700 41 21 41 to speak to a specialist.

Ideal for use with or renewable energy sources such as:



See our sustainable section starting on p70 for more information.