

PEXATHERM-E

An electric underfloor heating system from IPPEC to warm all floors



Room thermostat and MZ 4 wiring centre form the complete Pexatherm-e packages



Pexatherm-e takes the comfort and convenience of underfloor heating to all areas



Cables and mats are part of Pexatherm-e.

kitchens and bathrooms
Conservatories and extensions
Entrance halls and any tiled areas
Floor, wall or ceiling heating.
Swimming pools and changing rooms.

Hospitals and nursing homes
Background heating in atria, malls and high ceiling buildings
Horticulture and under cold stores
Ice melting in precincts, drives and ramps

IPPEC
Systems Ltd

An underfloor heating system as versatile as electricity

A comprehensive solution for any floor anywhere.
 For restricted floor depth. The Pexatherm-e floor mats are laid above the screed and in the tiles adhesive layer.
 For screeded and concrete floor as direct surface heating or thermal storage heating. The Pexatherm-e cables are buried in screed or concrete over IPPEC's special Multiboard-e insulation, designed specifically for Pexatherm-e underfloor heating. This way maximum performance is achieved while using the most economical period for electricity supply (Economy 7).
 For exposed areas to ice and snow and for pedestrian safety. Pexatherm-e cables are embedded in concrete or sand layer under tarmac.
 For timber floor construction. The Pexatherm-e cables are laid on Multiboard-e insulation between joists and covered with mortar (pug).
 Pexatherm-e is used mostly under tiles or stone, although wood or carpet can be used too.

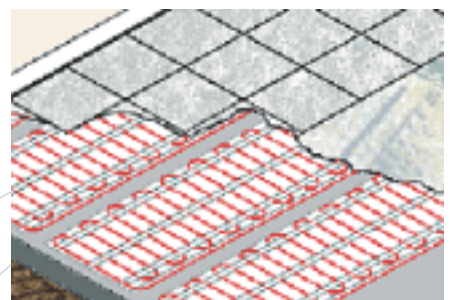


Pexatherm-e cable stapled to Multiboard-e insulation in screed under any floor finish.

Output of Cables and Mats in Watts			
Area m ²	Cable Output	Area m ²	Mat Output
2.5	270.0	1.0	100.0
4.5	500.0	2.0	200.0
7.5	1000.0	3.0	300.0
12.0	1600.0	5.0	500.0
16.0	1900.0	8.0	800.0
20.0	2400.0	10.0	1000.0

Cables and mats are supplied with connecting tails. Other area sizes and outputs are available.

Max. cable operating temp. 65 °C



Pexatherm-e in a thin layer (15 to 25 mm) of mortar under tiled floor.

Comfort and energy saving control system

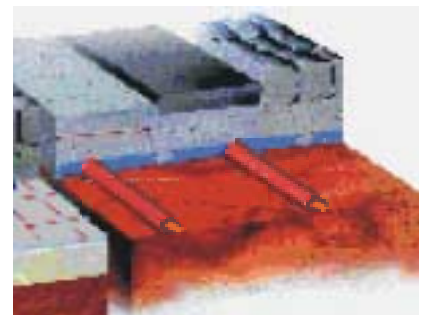
Pexatherm-e was developed with energy saving in mind. The specially designed Multizoner 4 wiring and control centre is offered with Pexatherm-e underfloor heating system. Not only the system is controlled by programmable and room thermostat, the system works in conjunction with an outside sensor and a floor sensor to give optimum output without wasting any more electricity than required. The Multizoner MZ 4 can handle two area zones and is designed for easy installation. The outside sensor is part of the MZ 4 while you can choose from Pexatherm wide range of thermostats for air and floor temperature.

Quality cables

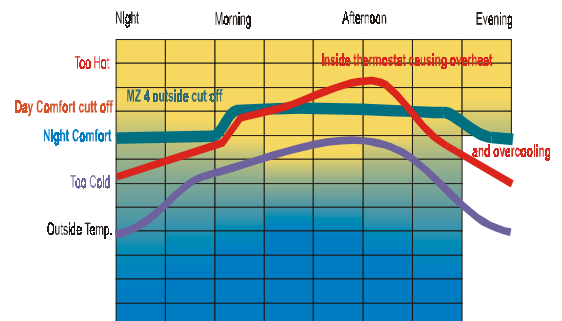
Pexatherm-e system cables and mats are manufactured to IEC 800 EC standards. The twin core cable is isolated with PEX plastic (metal sheathing protection is an option) to withstand high temperature (90 oC) and for durability and safety. All other component such as aluminium foiled insulation and control equipment are manufactured to their EC respective standards. They are checked and tested after production factory.

Warranty Maintenance and Commissioning

All components are covered by one year return to base policy. The warranty is subject to completion and signed installation certificate. The cable has a 10 years warranty. The systems are maintenance-free. Installation instructions are supplied with each package.



Pexatherm-e cable is buried underneath cobbles or drive to melt snow or ice.



Pexatherm-e

Underfloor heating anywhere

IPPEC Systems Ltd, 66 Rea Street South, Birmingham B5 6LB.
 Tel. 0121 622 4333, Fax. 0121 622 5768, Web: www.ippec.co.uk