

THERMAL  
ECONOMICS—  
MARKET LEADERS  
IN REFLECTIVE INSULATION  
MATERIALS

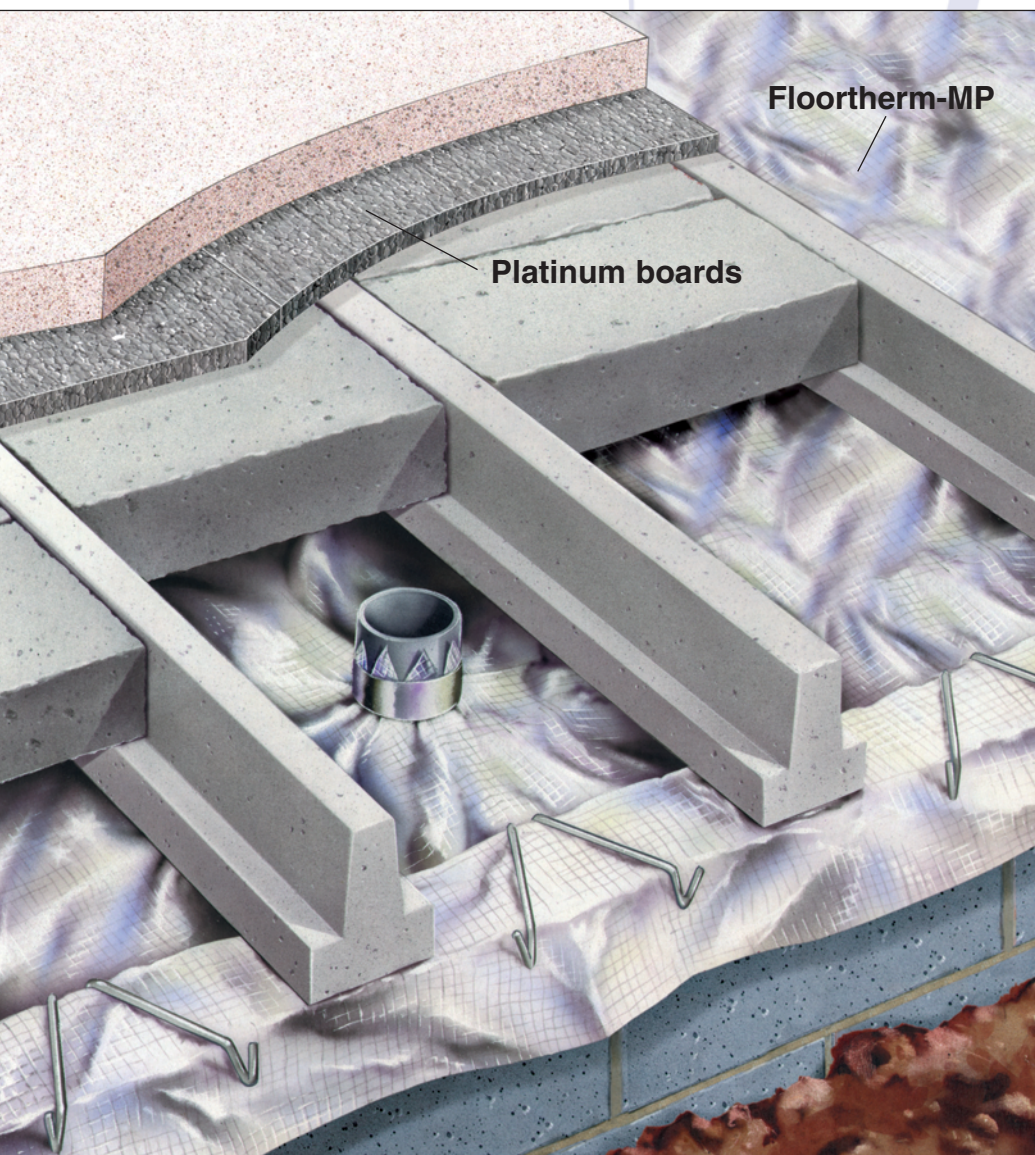
# FLOORTHERM-MP™

THE HIGH PERFORMANCE MICRO-POROUS FLOOR INSULATION MEMBRANE

## PLATINUM



**THE SIMPLE COST-EFFECTIVE SOLUTION FOR ACHIEVING THE NEW PART L 2010 REQUIREMENTS IN STANDARD BEAM & BLOCK GROUND FLOORS**



### **Achieves the requirements of Part L 2010 with dense concrete beam & block floors**

- ▶ Thermal insulation Values as low as  $0.10\text{W/m}^2\text{K}$  can be achieved
- ▶ The Part L fallback U-Value of  $0.25\text{W/m}^2\text{K}$  can be achieved with practically all normal house types using Floortherm MP and 25mm TE Platinum Ground Floor Insulation Boards
- ▶ A U-Value of  $0.20\text{W/m}^2\text{K}$  can be achieved with practically all normal house types using Floortherm MP and 50mm TE Platinum Ground Floor Insulation Boards
- ▶ Can be up to 50% cheaper than thicker insulation boards on top of floor.
- ▶ Simple to install. Floortherm self-supporting on patented wall clips.
- ▶ Perforations allow for any fluids under floor including rain water during installation to dissipate to ground.
- ▶ Environmentally friendly. Lower volume and no CFC's etc.
- ▶ Excellent track record during more than 10 years of usage.

\* Major cost saving in brick and blockwork coursing due to thinner insulation on floor.

\* TE's Technical Department offer a thermal/SAP calculation service for the use of Floortherm Platinum for your particular project.

\* All Floortherm Platinum applications should be carried out in accordance with the relevant Floortherm Platinum Installation Manuals available from our Technical Department.



# FLOORTHERM<sup>MP</sup>

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## PLATINUM

**Description-** Floortherm M.P. is a tough nylon net reinforced polythene membrane laminated on both sides with a low emissive (highly reflective) aluminium foil. The low emissivity of the surface is protected by a special coating. M.P. signifies that the membrane is micro-perforated to facilitate the dissipation of water and gasses. Platinum is an anthracite grey coloured high performance expanded polystyrene board.

### PRECAST CONCRETE FLOORS

The Floortherm M.P. membrane is stretched out over the perimeter wall and secured with the patented wire fixing clips prior to the fitting of the d.p.c. and placing of the floor elements.



### THERMAL PERFORMANCE

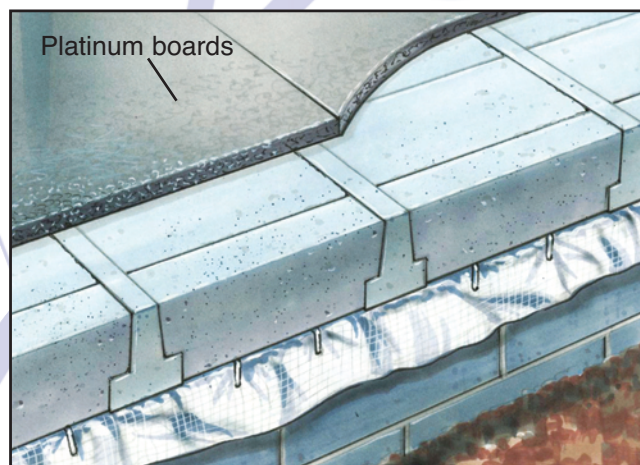
The table below gives the U-Values achieved with the Floortherm Platinum System with various perimeter to area ratios. Our Technical Department will provide thermal calculations on request.

### FLOORTHERM PLATINUM U-VALUE TABLES

P/A ratio	U-Value for Floortherm MP & 25mm Platinum	U-Value for Floortherm MP & 50mm Platinum	U-Value for Floortherm MP & 75mm Platinum
0.1	0.14	0.13	0.11
0.2	0.18	0.16	0.14
0.3	0.21	0.18	0.15
0.4	0.22	0.19	0.16
0.5	0.23	0.20	0.17
0.6	0.24	0.20	0.17
0.7	0.25	0.21	0.18
0.8	0.25	0.21	0.18
0.9	0.26	0.21	0.18

## Product Applications-

(Please note that all Floortherm applications should be carried out in accordance with the relevant Floortherm Installation Manuals available from our Technical Department.)



The Platinum boards are laid out over the beam and block floor and butt jointed. The screed is then laid over the blocks as required.



The Platinum Edge Strip is installed continuously around the perimeter and over the Platinum boards prior to screeding.

### BBA CERTIFICATE

The Floortherm MP application has been assessed in BBA Certificate 97/3375.

The Platinum flooring application has been assessed in BBA Certificate 91/2568.



### PRODUCT DATA

#### Floortherm MP

Composition - Nylon reinforced polyethylene laminated with coated low emissive aluminium foil membrane. The membrane is micro perforated.

Roll sizes - 990,1500 and 2000mm wide x 50m, 100m long.

Fixings - Patented wire wall clips for fixing membrane to external block walls.  
Rubber Butyl "Bonding" tape 25mm x 50m for adhering roll widths to create continuous membrane under beam & block floor.

TE Alu tape for repairing rips and holes caused by protrusions through membrane.

#### Platinum

Composition - High Performance expanded polystyrene boards in grey anthracite colour.

Board sizes - 1200mm x 2400mm in shrink wrapped packs.

#### Fully patented floor system.

#### Storage and hazard precautions

Floortherm is an environmentally friendly and non-hazardous material with a class 1 spread of flame. It should however be protected from open flame or sources of ignition and stored separately from easily ignitable materials.

Platinum must be protected from prolonged exposure to sunlight and should be stored under cover. The boards must not be exposed to naked flame or other ignition sources. Care must be taken to avoid contact with solvents and with materials containing volatile organic compounds such as tar, pitch, timber newly treated with creosote.