

Basement Systems



ThermalDry™ Membranes and Floor Matting

As with all Basement Systems designs these are specifically tailored to be better than anything else in the market place, in fact ThermalDry™ is in a class of its own – together with the complimentary WaterGuard™ and Basement Systems Sump systems - redefining cavity drainage technology in the UK.

The ThermalDry™ Wall System, consists of the:- Thermally insulated Foil/Air-Cell Laminate which provides an efficient thermal break against conducted and convection heat loss plus an amazing 97% reflectivity of radiant heat; special 'Grip Fixings' that anchor the membrane to the wall and provide a platform for the plasterboard lining; a Butyl Sealant to seal these fixings to the membrane and a Reflective Tape Seal that over bandages the butt-joints in the membrane.

The whole system has been granted UK patent no GB2388852 is British Board of Agrément Approved and has national Building Control Approval.

A clever application of Physics:- Reflected radiant heat warms the back of the plasterboard lining keeping the intervening blanket of air warm, which together with the closed air cells on the reverse side, serve to keep the surface of the membrane warm, thus avoiding the condensation issues that have plagued other non-insulating plastic membranes.

Whilst the insulating properties were originally designed to keep the membrane surface itself warm, it also has the consequential side effect of helping to keep the whole basement warm – and even benefits the house above.

Likewise, the ThermalDry™ Floor tile was developed to overcome problems of condensation on concrete floor screed. Its lattice of raised feet maintains an air gap between the hard flat surface of the tile and the cold damp floor below. Whilst any running water will have been taken care of by the WaterGuard™ and SuperSump™ or TripleSafe™ sump systems below floor level the ThermalDry™ floor tile provides an effective barrier against moisture vapour and capillary moisture.

ThermalDry™ floor tiles provide a hard wearing surface with no requirement for further overlay in storage areas and provides a suitable base for carpet or wood laminate for habitable rooms. Its unique slim-line design helps preserve valuable headroom – the tiles themselves being only 9mm high and requiring no thick overlays such as screeds and boards that other less advanced membranes require. Furthermore, in a worst case scenario of water getting on the basement floor for any reason they are not damaged and they do not hold water – a problem that dimpled membranes encounter.

ThermalDry™ floor tiles enjoy National Building Control Approval so its use ensures compliance with UK building regulations.

All in all The ThermalDry™ range of products represent the state of the art in the industry and are the envy of our competition!



For more information call or click

0800 99 11 00

www.timberwise.co.uk

Technical Data

ThermalDry™ Membranes



Grade	Standard Foil closed air cells	Plain Foil closed air cells plus vinyl layer	Super Foil Closed air cells plus 2nd foil layer
Fire Retardant	Class 1	Class 1	Class 1
Vapour Resistance (MNs/g)	>500	>500	>500
CFC/HCFC Free	yes	yes	yes
Chemical Resistance	good	good	good
Thermal Resistance, including air spaces (m2K/W)	0.775 *	0.686 †	1.23 †
U-Value, including air spaces (W/m2K)	1.29	1.46	0.81

Overall U-values of 0.27 – 0.35 are achieved in typical installation using conventional wall constructions.

* ISO 8302
† ASTM C-236



ThermalDry™ Grip Fixing
100mm diameter textured and perforated fixing head with 60mm barbed spike including 20mm collar.



Butyl Rope
10mm dia.
20m long.
Self adhesive



Foil Tape
75mm wide,
50m long
adhesive one side only.

ThermalDry™ Floor Tiles



Tiles
Highly Chemical Resistance
High Impact and Abrasion Resistance
Non absorbent – water proof material
Height 9mm including 7mm air space
Click, lock jointing system
Vapour resistance > 500MNs/g
Colour – Grey

Fixing
35mm long,
barbed spike,
6mm diameter (body)
17mm diameter (head)



For more information call or click

0800 99 11 00

www.timberwise.co.uk