

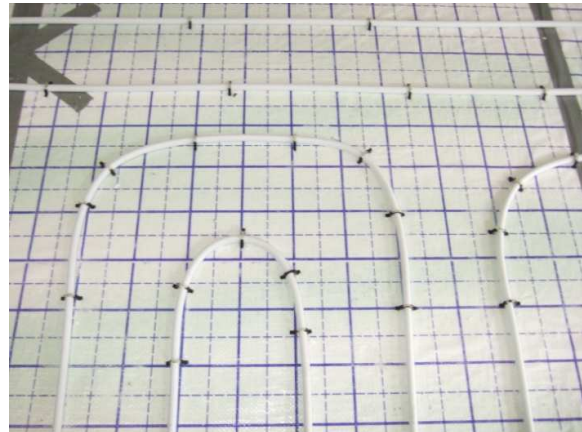


Ecoscreed

THE **FLOWING** SCREED SPECIALISTS

Ecoscreed Gridboard

Ecoscreed Gridboard is a cost effective alternative to other floor insulation boards available on the market today. It is available in a wide range of depths allowing you flexibility in your floor make up. It has the added advantage of being supplied with a laminated highly resistant fibre woven film. This film acts as the protection layer for the product and is printed with a 50mm Grid Pattern which will assist the under floor heating installer with the laying of their under floor heating pipes. The laminated film which covers the Gridboard is specially designed to hold pipe clips in position and ensures that under floor heating pipes are held tightly in place. The film overhangs the boards by 50mm enabling overlaps to be taped to form a continuous seamless surface, eliminating the need to install a 500 gauge polythene slip membrane, as would be required over foil faced insulation boards when used in conjunction with flowing screeds.



Ecoscreed Gridboard is easy to handle, it can be cut and shaped on site, no special tools are required.

Ecoscreed Gridboard will provide long lasting efficient thermal insulation for the life of the building (performance does not deteriorate with age) it is manufactured from EPS Polystyrene (EPS). The EPS is manufactured and tested in accordance with European Standards, contains no CFC's or HCFC's and is totally recyclable.

Ecoscreed Gridboard is manufactured and certified to BS EN ISO 9001:2000. The EPS used in the manufacture of this product complies to BS EN 13163:2001.

Ecoscreed Gridboard Grades.

Ecoscreed Gridboard is also available in the following grades:-

EPS 70	Thermal conductivity 0.038W/mk
EPS 100	Thermal conductivity 0.036W/mk
EPS 150	Thermal conductivity 0.035W/mk
EPS 200	Thermal conductivity 0.034W/mk
Super Plus 70	Thermal conductivity 0.030W/mk
Super Plus 100	Thermal conductivity 0.030W/mk

Ecoscreed Gridboard Dimensions.

The standard board size is 2400mm x 1200mm x various thicknesses, starting from 25mm up to 200mm. This enables you to specify exactly the right depth of insulation required.

U-Value calculations

We are able to provide u-value calculations for the various grades of Ecoscreed Gridboard, alternatively if you know what u-value you would like your floor to achieve we can calculate what depth of insulation you would need to use to achieve this.

Compatibility.

Ecoscreed Gridboards are compatible with all types of screed and readily accept all preparatory fixings, ensuring that pipes remain in position until they are encapsulated in the floor screed.

Site Handling.

Ecoscreed Gridboards are delivered to site wrapped in polythene. Boards should be stored in their original wrapping, under cover and protected from direct sunlight. Boards should be kept above ground level and out of contact with solvents and materials containing volatile organic compounds such as coal tar, pitch or timber recently treated with creosote. Do not expose to naked flame or other ignition sources during storage or installation.

Ensure that the concrete sub-floor or suspended concrete floor is dry, smooth and level to within 5mm when measured with a 3m straight edge. Minor irregularities up to 10mm may be levelled with a motor levelling screed. Irregularities greater than this must be removed.

Where possible, electrical conduits, gas and water pipes or other services should be contained within ducts or channels within the concrete slab. Where this is not possible, the services may be accommodated within the thickness of the floor insulation provided they are securely fixed to the concrete slab. Water pipes must be pre-lagged with proprietary material and the floor insulation must be cut back to maintain at least 5mm clear air space between any insulated hot pipes.

Any PVC sheathed cable should be run in conduit. The Gridboard panel should be cut with a sharp knife to fit accurately around the services.

Specification Table

	Gridboard EPS 70	Gridboard EPS 100	Gridboard EPS 150	Gridboard EPS 200	Gridboard Super Plus EPS 70	Gridboard Super Plus EPS 100
Thermal Conductivity	0.038W/mk	0.036W/mk	0.035W/mK	0.034W/mk	0.030W/mk	0.030W/mk
Compressive Strength @ 10% deformation	70kPa	100kPa	150kPa	200kPa	70kPa	100kPa
Board Size	2400mm x 1200mm				2400mm x 1200mm	
Overall Board Thickness	25mm + (any thickness at 5mm increments).				25mm + (any thickness at 5mm increments).	
Reaction to Fire Classification	Euroclass B (when used in a concrete floor construction).				Euroclass B (when used in a concrete floor construction).	
Environmental Standards	ODP + GWP zero CFC + HCFC free EPS Boards are recyclable.				ODP + GWP zero CFC + HCFC free EPS Boards are recyclable.	
Quality Standards	BS EN ISO 9001:2000				BS EN ISO 9001:2000	