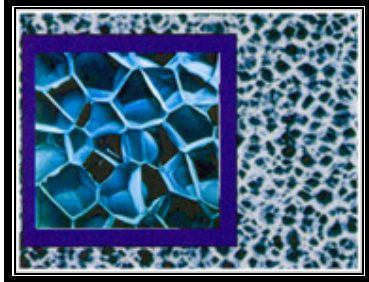
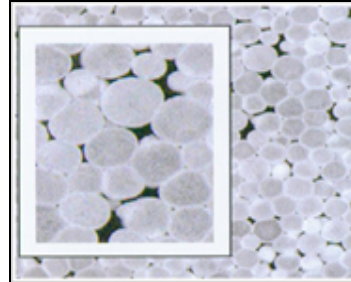


Extruded PS Foam insulation is designed for upside-down roof insulation. These boards are unaffected by the conditions encountered on reinforced concrete flat roofs including wide fluctuations in operating temperature or repeated freeze/thaw cycles. Extruded PS Foam Insulation can be used on heavyweight decks with a ballast layer of gravel or concrete slabs. Its rot-resistance makes it ideal for insulating roof gardens.



Panel Board System
Extruded PS Foam
Closed Cell Type



Panel Board System
Other Competitor
Open Cell Type

Properties of Extruded Polystyrene Panel/Board

	<u>Test Method</u>	<u>Extruded PS Foam</u>
Board Size (length x width, mm)		2400 x 1200
Density (kg/m ³)		28 until 36kg
Thickness (mm)		50, 75, 100
Edge Treatment		Shiplap
Surface		Skin
Color		Blue & Light Red
Thermal Conductivity (90 days, 10 °C)	BS3837: Part 2: 1990 Appendix G	0.028W/mk
Compressive Strength at 10% Deflection	BS 4370: Method 3	300kN/m ²
Design Load For Traffic		110kN/m ²
Water Vapour Permeability (δ)	BS3837: Part 2: 1990 Appendix D	1.2ngm/Ns
Water Absorption	BS3837: Part 2: 1990 Appendix E	0.3% - vol.
Temperature Limits		-50/+75°C

Extruded PS Foam is the trade name of a range of blue extruded polystyrene foam insulation boards original developed and marketed in the early of 1987's.

Manufactured through a continuous extrusion process, **Extruded PS Foam** products possess a rigid closed cell structure (as shown above at 25X magnification) with unique properties such as low thermal conductivity, high resistance to water penetration and high compressive strength. It is lightweight and easily bonded.

Extruded PS Foam products are CFC Free, they do not contain fully halogenated chlorofluorocarbons (CFCs) regulated by the United Nations Environment Program (UNEP) in the Montreal Protocol.

Applications

Extruded PS Foam was invented more than 15 years ago and was first used as flotation material in life-rafts and life-boats as its fully closed cell structure made it highly resistant to water absorption. By the early 1950's, the combination of excellent mechanical strength, high insulation value and extremely low water absorption properties led to **Extruded PS Foam** being regarded as the perfect thermal insulation material. It is the ideal structural core for a wide range of building composites such as roofing, walls, and floors.

Today, **Extruded PS Foam** products are being used extensively throughout the world in both residential and commercial buildings, civil construction projects, cold stores, laminated panels, refrigerated trucks and containers.

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