PolyFoam™ ROOF

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January 2026

Polyfoam™ Roofboard Super and Slimline Zero Membrane

For inverted, flat and green roofs

Thickness (mm)	Length (mm)	Width (mm)	Compressive strength (kPa)	Thermal conductivity (W/mK)	Thermal resistance (m^2K/W)
Polyfoam Roofboard Super					
50	1250	600	500	0.035	1.40
60	1250	600	500	0.035	1.70
80	1250	600	500	0.035	2.25
100	1250	600	500	0.035	2.85

Polyfoam Roofboard Super is supplied as a lap jointed board with a 15mm overlap

Length (m)	Width (m)	Area per roll (m^2)
Polyfoam Slimline Membrane		
100	1.5	150

Performance

The thermal conductivity of Polyfoam Roofboard Super is 0.035 W/mK.

Benefits

- 15mm lap joint overlap
- Excellent thermal performance
- High compressive strength
- Highly resistant to water absorption
- Able to resist repeated freeze/thaw cycles
- Lightweight and easy to install
- Tough and durable, not easily damaged
- Dimensionally stable
- Thermal performance of an inverted roof is improved when used in conjunction with Polyfoam Slimline Zero Membrane

PolyFoam™ XPS

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POL-TD-06-2

Description

Polyfoam Roofboard Super is a rigid extruded polystyrene (XPS) board with a Global Warming Potential (GWP) of less than 5 and Zero Ozone Depletion Potential (ODP). Polyfoam Roofboard Super is a lightweight, lap jointed board with high compressive strength.

Polyfoam Slimline Zero Membrane is a high performance, thermally bonded tri-laminate of polypropylene; spunbonded (outer layers) and microporous (inner layer).

Application

Polyfoam Roofboard Super is used for the thermal insulation of flat roofs and can be used:

- in roofs subject to high loads such as roof top car parks
- in an inverted roof below ballast or paving slabs
- in a green/garden roof
- in a flat roof with a single ply membrane

Durability

The continuous service temperature limit of Polyfoam Roofboard Super is up to +70° C.

Environmental

Polyfoam Roofboard Super represents no known threat to the environment and has zero Ozone Depletion Potential and a Global Warming Potential of less than five. Polyfoam Roofboard Super is non bio-degradable and 100% recyclable.

Compressive strength

Polyfoam Roofboard Super is highly resistant to compression and withstands both occasional and long term static loads. The high compressive strength and rigidity of the boards allows a range of ballast materials including gravel, soil and concrete slabs to be used aspart of the construction. Load bearing construction elements should be designed to adequately support the combination of imposed and dead loads without creating excessive deflection.

Moisture absorption

Polyfoam Roofboard Super has a moisture absorption 1.5% by volume when tested in accordance with EN 12087 and can be laid in standing water or up against wet concrete with negligible impact on the performance of the product.

Handling and storage

Polyfoam Roofboard Super is easy to handle and install. Polyfoam Roofboard Super is supplied in four sided packaging designed to be easily recognised and is labelled with identifying product and manufacturing data. Ensure the board product is not stored close to open flames or other ignition sources and avoid volatile organic compounds and chemicals such as solvents. Polyfoam Roofboard Super should not be left exposed to prolonged sunlight as this will result in surface degradation. When outside storage for extended periods is required cover the products with opaque/ light coloured sheeting.

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POL-TD-06-1

Property	Test method	Unit	Data
Weight	-	g/m^2	95
Tensile strength in MD	EN 12311 - 1	N/5 cm	185
Tensile strength in CD	EN 12311 - 1	N/5 cm	130
Nail tear resistance 20cm folded MD/CD	"EN12310 0 1		
prEN 13859"	"N/20 cm		
N/20 cm"	"55		
65"			
Water resistance	EN 20811	m of water head	1.5
Water vapour transmission (23oC/85% humidity	Lyssy	g/m$^{2.d}$	1200
UV stability under constant exposure	prEN 1297	-	up to 4 months

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