

# PolyFoam™ FLOOR

June 2024

## Polyfoam™ Floorboard Super

For floors and basements



Thickness (mm)	Length (mm)	Width (mm)	Compressive strength (kPa)	Thermal conductivity (W/mK)	Thermal resistance (m <sup>2</sup> K/W)
Polyfoam Floorboard 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 Floorboard Super is supplied as a lap jointed board with a 15mm overlap

### Performance

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

### Benefits

- High compressive strength
- Highly resistant to water absorption
- Robust and suitable for use in highly loaded floors
- Long term dimensional stability

## PolyFoam™ XPS



# Polyfoam™ Floorboard Super

POL-TD-05-02

## Description

Polyfoam Floorboard 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 Floorboard Super is a lightweight, lap jointed board with high compressive strength.

## Application

Polyfoam Floorboard Super is suitable for almost any floor construction especially high load applications such as car park floors and cold store floors.

## Durability

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

## Environmental

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

## Compressive strength

Polyfoam Floorboard Super is highly resistant to compression and withstands both occasional and long term static loads. Load bearing construction elements should be designed to adequately support the combination of imposed and dead loads without creating excessive deflection.

## Moisture absorption

Polyfoam Floorboard Super has a moisture absorption of 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 Floorboard Super is easy to handle and install. Polyfoam Floorboard 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 Floorboard 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.