



# Polyfoam Sarking Board System

## Description

The Polyfoam Sarking Board System is a high performance, 100% ozone friendly, extruded polystyrene, rigid insulation board system. It consists of a 75mm thick T-shaped overlay board, which minimises insulation thickness over the top of the rafters, and Polyfoam Raftersqueeze which friction fits between the rafters.

The Polyfoam Raftersqueeze section is supplied straight edged and has a series of grooves along each long edge. The grooves are designed to compress during installation to provide a friction fit between rafters.

## Application

The Polyfoam Sarking Board System is used for the thermal insulation of warm pitched roofs. The boards insulate over and between rafters at 600mm centres and are for use in new build construction.

The Polyfoam Sarking Board System is suitable for rafters 38 and 50mm thick.

## Standards

The Polyfoam Sarking Board System is manufactured in accordance with BSI Quality Assurance Standard BS EN ISO 9001: 2000.

## Product Data

Thickness (mm)	Thermal conductivity (W/mK)	Thermal resistance (m <sup>2</sup> K/W)	Nominal density (kg/m <sup>3</sup> )	Minimum strength (KPa)	Length (mm)	Width (mm)
150	0.029/0.030	5.05	30	200	2400	600
140	0.029/0.030	4.75	30	200	2400	600
75 <sup>(1)</sup>	0.029	2.55	30	200	2400	600

(1) T-shaped overlay board only. All dimensions are nominal.

## Performance

### Thermal

The T-shaped overlay board in the Polyfoam Sarking Board System has a thermal conductivity of 0.029 W/mK.

Polyfoam Raftersqueeze has a thermal conductivity of 0.030 W/mK.

## Benefits

- Thermally efficient
- Easy to install – the use of Polyfoam Raftersqueeze as an infill panel makes installation simple and quick
- Minimises thickness over rafter, giving a more stable roof
- Lightweight
- T-shaped overlay board used as a template for setting out rafters at 600mm centres (50mm rafters only)



### **Certification**

Polyfoam Sarking Board System is certified by BBA Certificate 06/4386.

### **Durability**

The continuous service temperature limits of the Polyfoam Sarking Board System are -50 to +75° C.

### **Environmental**

The Polyfoam Sarking Board System is free from CFCs, HCFCs and any other material with ozone depletion potential in its manufacture and content and represents no known threat to the environment. The Polyfoam Sarking Board System is non bio-degradable.

The Polyfoam Sarking Board System is 100% recyclable.

### **Compression resistance**

The rigidity of the Polyfoam Sarking Board System makes the boards easy to handle and less prone to site damage than less robust materials.

### **Moisture resistance**

The Polyfoam Sarking Board System is highly resistant to moisture absorption and will perform as stated if exposed to condensation or other moisture.

### **Moisture absorption**

The Polyfoam Sarking Board System has a moisture absorption of 0.3% by volume.

### **Vapour Resistivity**

The Polyfoam Sarking Board System has a vapour resistivity of 480 MNs/gm.

### **Handling and storage**

The boards are easy to handle and non-irritant, no special protective clothing is required when installing them.

Polyfoam Sarking Board System is supplied in polythene packs, labelled with identifying product and manufacturing data.

Ensure the boards are not stored close to open flame or other ignition source, also avoid volatile compounds and chemicals such as solvents.

Polyfoam products should not be left exposed to prolonged sunlight as this will result in surface degradation. Where outside storage for extended periods is required cover with opaque/light coloured sheeting.

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