



TECHNICAL DATA SHEET

JUMBOLENE® 75mm FLAT ROOF INSULATION

Product Description

JUMBOLENE® 75mm Flat Roof Insulation is a semi rigid insulation batt solution consisting of fire retarded low density closed cell polyethylene foam.

JUMBOLENE® 75mm Flat Roof Insulation offers an effective thermal barrier with an R- Value of 14.53 ft².F.h/Btu (RSI Value 2.56m²K/W).

JUMBOLENE® 75mm Flat Roof Insulation It has an ideal strength to weight ratio and does not break taking the weight of ballast or pavers if the roof area is subject to pedestrian traffic.

JUMBOLENE® 75mm Flat Roof Insulation ensures greater energy efficiency as it reduces loss or gain of heat through the roof space and improves thermal comfort.

Features & Benefits

Excellent thermal insulation: Low thermal conductivity (k- Value) of 0.0293 (W/m °K) (0.37 BTU-in/hr-ft)

Effective moisture barrier: Remains unaltered when exposed to water or humidity

Light Weight: Does not add to the weight of the structure,

Inert: Compatible with all types of sealants and waterproofing membranes.

Good Vibration Absorption: excellent dimensional stability thus cushioning against repeated impact. Takes the weight of ballast or pavers if the roof is subject to pedestrian traffic.

Mould, mildew, fungus and bacteria resistant: Inert; Does not provide an environment conducive for microbial growth.

Thermal Data

Code	R-Value	Rsi-Value	U-Value
IB 75	14.53 ft ² F.h/Btu	2.56 m ² .°K/W	0.39 W/m ² .°K

Physical Properties

Item	Test Method	Value
Density	ASTM D3575, Suffix W, Method B	32 kg/m ³ (2 lb/ft ³)
Compression Set	ASTM D3575, Suffix B, (50% compression)	< 15%
Compression Creep	(1000 hrs @ 23°C)	< 5% @ 17.5 kPa (2.5 psi)
Compressive Deflection	ASTM D3575, Suffix D @10% @25% @50%	70 kPa (10 psi) 80 kPa (10 psi) 150 kPa (10 psi)
Thermal Conductivity	ASTM D3575, Suffix V	0.0293 (W/m °K) (0.37 BTU-in/hr-ft)
Water Absorption	ASTM D3575, Suffix L	0.02mg/cm ² / 24hrs
Tensile Strength @ Peak	ASTM D3575, Suffix T	300 kPa (40 psi)
Tensile Elongation	ASTM D3575, Suffix T	55%
Tensile Strength	ASTM D3575, Suffix G	1.8 N/mm (10 lb/in)
Fire Performance		Fire retardant

Standards & Approval

JUMBOLENE® Flat Roof Insulation manufacturing process has met the highest international standards in quality; the **ISO 9001: 2008** Quality Management System certification.

JUMBOLENE® Flat Roof Insulation has met the Kenya Bureau of Standards approval for quality under the Kenya Standards Act.



Standard order size

Product Code: IB75
Batt Size: 1m x 2m