



TECHNICAL DATA SHEET

JUMBOLENE® DOUBLE ALUMINUM ROOF INSULATION - RF133

Product Description

JUMBOLENE® Double Aluminum Roof Insulation is a highly reflective insulation consisting of a double layer of reinforced aluminium foil bonded to a 100% closed cell polyethylene foam core.

JUMBOLENE® Double Aluminum Roof Insulation is a 3 in 1 reflective foil insulation solution combining the benefits of reflective insulation, a conduction barrier and a moisture barrier.

JUMBOLENE® Double Aluminum Roof Insulation reflects 97% of radiant heat and provides high resistance to heat conduction making it the ideal insulation product for both hot and cold seasons.

JUMBOLENE® Double Aluminum Roof Insulation is fire retardant meaning that, in case of fire, the product is self extinguishing and does not enhance the spread of fire.

Features & Benefits

Excellent Thermal Insulation: Reflects 97% of radiant heat and renders excellent thermal protection in hot and cold weather.

Durable: Superior tensile strength. Does not collapse, delaminate or break, thus maintaining its thermal properties over time.

Effective moisture barrier: Water proof; Controls damage from condensation.

Good Acoustic Insulation properties: Effective barrier against impact noise from rain

Light, safe to handle and easy to install: Does not contain any synthetic fibres or other substances toxic to humans.

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

Environmentally friendly: 100% recyclable. Does not contain substances harmful to humans or the environment.

Thermal Data

Air Space	R-Value	Rsi-Value	Emissivity
25 - 40mm (Nominal)	14.022ft ² .F.h/Btu	2.47m ² K/W	0.03

Physical Properties

Item	Test Method	Value
Thermal Conductivity	ASTM D3575, Suffix V	0.0293 (W/m °K) (0.37 BTU-in/hr-ft)
Tensile Strength @ Peak	ASTM D3575, Suffix T	300 kPa (40 psi)
Tensile Elongation	ASTM D3575, Suffix T	55%
Tensile Strength	ASTM D3575, Suffix G	54.0 kPa
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)
Water Absorption	ASTM D3575, Suffix L	0.02mg/cm ² / 24hrs

Standards & Approval

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

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



Standard Order Size

Product Code: RF133

Roll Size: 1m x 50m