



alutherm®
THERMAL BUILDING INSULATION

PRODUCT DATA SHEET
Fibre Glass (AF) blanket. Faced on one side with aluminium foil and on the other side with a bubble facing.

Product Specifications

Architectural Specification:

Alutherm (AF) 50/75/100/135mm Fibre Glass.

Use in conjunction with straining wires placed at 275mm centres as per the manufacturers installation guidelines.

Details	Alutherm 50mm	Alutherm 75mm	Alutherm 100mm	Alutherm 135mm
Tested in accordance with and conforms to SANS 1381 part 1: 2007				
Material Classification	TYPE 3 Mats or Bats with reflective membrane laminated to material			
Length (Std)	10m Roll	10m Roll	10m Roll	10m Roll
Longer lengths with increments of 500mm available				
Width (Std)	1100mm	1100mm	1100mm	1100mm
Roll Diameter	600mm	720mm	760mm	800mm
Density	12Kg/m ²	12 Kg/m ²	12 Kg/m ²	12Kg/m ²
Finished Roll weight	11kg	14kg	18kg	23kg
NRC – Noise Reduction Coefficient				
	0.75	0.80	0.85	0.92
Thermal Property Values				
Resistance 'R' (m ² K/W)	1.25	1.88	2.67	3.38
Conductivity 'K' W/mK	0.040	0.040	0.037	0.040

Applications

Domestic:-

- Superior Ceiling Insulation in Residential Buildings.
- Retrofit to existing buildings over ceiling application.
- Cut out around down lights if transformers exist.

Industrial and Commercial:-

- Over purlin in Industrial and commercial buildings.

Fire Properties

Tested to SANS 426 and awarded a B/B1/2/H (USP) (No Sprinklers).

Quality Management System

Africa Thermal Insulations (Pty) Ltd products are manufactured according to ISO 9001:2008 Quality Management System.

BBBEE

Level 6

Warning

A leaking Roof could cause condensation and corrosion to occur which may damage the product and will negatively affect its thermal properties.

Transportation and Care

To ensure that ALUTHERM® remains in pristine condition, the rolls must be transported in a suitable, fully enclosed truck. They should also be stored under cover to protect them from direct sunlight and rain. Rolls should be stacked on their sides or on the end of the roll without the overlap. Observe the "This way up" arrow printed on the packaging. Africa Thermal Insulations (Pty) Ltd cannot accept any claim for replacement for material if the above instructions are not adhered to.

Alutherm Fibre Glass (Black faced)



Industrial Application (White faced)



Advanced Benefits and Features of Alutherm

Non Toxic.
Non Carcinogenic.
Does not attract rodents.
Easy to install – No safety equipment needed during installation.
Reduces Dust penetration.
Faced on both sides to prevent moisture migration into bulk material, especially in high humidity regions.

