

INSULATION

Insulation is a material designed to prevent heat or sound from being transmitted from one area to another, ALAF Limited offers different types or insulation, including Radiant Barriers and Polyester Fiber Blankets.

Saftherm Radiant Barrier

Product Description & Features:

Saftherm Radiant Barrier is your first line of defense against radiant heat and is made from high quality aluminium and other materials to reinforce the membranes. This reflective foil adds to indoor comfort against heat, cold, dust, moisture and reduces energy consumption. It also aids in energy consumption.

Sample Specification:

ALAF Saftherm 202FR double-sided reflective aluminium foil radiant barrier, installed with an air gap over purlins on PVC-coated straining wirespaced at 275mm centers, in accordance with the manufacturer's recommendations.

WHY SHOULD YOU INSTALL SAFTHERM RADIANT BARRIER?

Fire rating is SANS 428 Compliant

Radiant Barrier offers SUPERIOR TEMPERATURE CONTROL

ADDED BENEFITS:

Energy Efficient: Allows for reduced energy consumption

Dustproofs: Reduces dust entering the roof space

Vapor Barrier: Prevents moisture from entering the building

Economical: Maintenance free and prolonged longevity

Thermal Resistance: Effectively reflects up to 97% of Radiant heat.

Environmentally friendly: Allows for reduced Energy demand inside building



SAFTHERM 201FR	
	<ul style="list-style-type: none"> • Non-tear single sided • Area = 45m² • Width = 1.25m • Length = 36m • R Value range = 1.34-1.49* • Fire rating = B/B3/4
SAFTHERM 202ECO	
	<ul style="list-style-type: none"> • Non-tear double sided • Area = 45m² • Width = 1.25m • Length = 36m • R Value range = 1.36-1.49* • Fire rating = B/B1/2
SAFTHERM 202FR	
	<ul style="list-style-type: none"> • Non-tear double sided • Area = 50m² • Width = 1.25m • Length = 40m • R Value range = 1.41-1.86* • Fire rating = B/B1/2
SAFTHERM RADIANT BARRIER COMMERCIAL/INDUSTRIAL	
SAFTHERM 203ECO	
	<ul style="list-style-type: none"> • Rigid double sided • Area = 50m² • Width = 1.25m • Length = 40m • R Value range = 2.31-2.42* • Fire rating = B/B1/2/H only SP

Saftherm Polyester Fibre Blanket

Product Description & Features:

Polyester Fiber Insulation Blanket manufactured using recycled polyester (PET plastic soft-drink bottles etc.). Supplied in the form of rolls in various thickness.

Properties:

Saftherm is friendly to the touch, will not irritate the skin and does not affect breathing in any way. Saftherm has been tested by SABS, for thermal performance as well as for fire propagation (test reports available on request). Saftherm is manufactured to ISO9001 Standards.

Saftherm does not collapse over time and retains its “loft”. On flat ceilings Saftherm can be laid in between the trusses on top of the battens.

VOC Free / ODP 0%

*750mm wide rolls available on request.



Benefits for installing Saftherm Polyester Blankets:

- Easy to roll and cut.
- The fibers won't absorb water, but the blanket will retain moisture when it gets wet.
- Excellent thermal stability.
- Electricity saving due to better temperature control (Heating & Cooling).
- Keeps homes warm in winter and cool in summer.
- Extremely cost effective.
- PET Plastics are recyclable.
- Increases the energy efficiency of buildings.
- Maintenance free.
- Ideal for built up roof systems.
- Odorless. Can be used in Residential, Commercial & Industrial applications.
- Can be used for acoustic noise reduction.

The R-Value of Saftherm (m².K/W) the measure of insulation products ability to restrict heat transfer.

Thickness	Density	Width*	Length	R-Value	System R-Value
40 mm	7.5kg / m ³	1.2m	10m	0.8	1.2
55 mm	6kg / m ³	1.2m	10m	0.9	1.3
75 mm	10kg / m ³	1.2m	8m	1.5	1.9
100 mm	10kg / m ³	1.2m	6m	2.0	2.4
135 mm	10kg / m ³	1.2m	5m	2.7	3.1
100 mm	11.5kg / m ³	1.2m	8m	2.3	2.7
135 mm	11.5kg / m ³	1.2m	5m	3.1	3.5
145 mm	11.5kg / m ³	1.2m	5m	3.3	3.7