



## Product Description

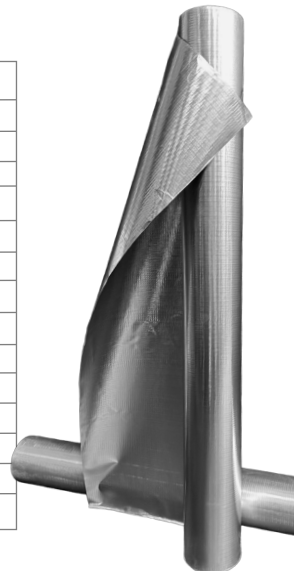
Alufoil®FR Double-sided Heavy Industrial Grade consists of a multi-layered fibreglass scrim reinforced aluminium foil laminate roof insulation. Incorporating highly advanced fire retardant properties with aluminium foil to both sides, Alufoil®FR is ideal for use in Industrial, Commercial and Residential buildings.

## Product Features

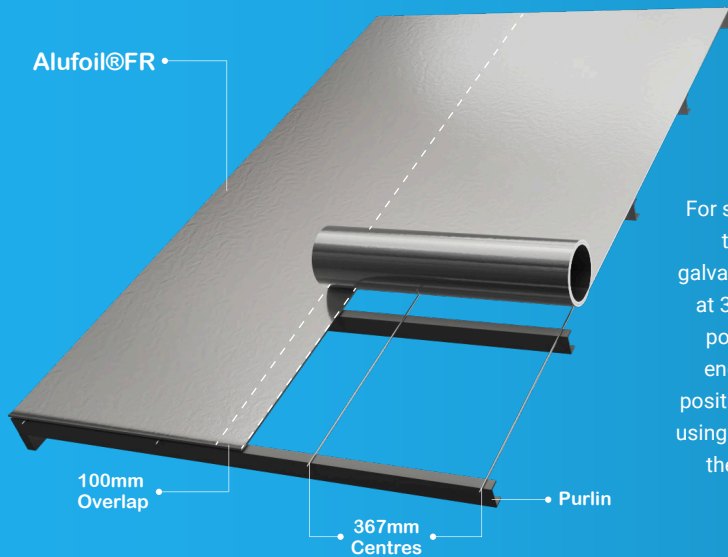
- Heavy Duty with excellent rigidity compared to woven matt foil laminates.
- Highly thermally efficient complying to SANS 10400XA.
- Highest Fire Rating for multi-layered aluminium foil roof insulation products.
- Highest pace-to-area ratio installation methodology saving time and costs.
- Environmentally Friendly.
- Acts as a dust barrier.
- Improved interior lighting due to it's high reflectivity.
- Non-hygroscopic and will not promote fungi, mould or bacteria nor sustain vermin.
- Maintenance free and will not readily age providing long term product life.

## Product Technical Data

Appearance	Silver Foil
Emissivity of foil surface	<0.05
Roll length	40m
Roll width	1200mm
Roll size	48m <sup>2</sup>
Effective coverage	44m <sup>2</sup>
Overlap	100mm
Wire Centres	367mm
Mass per unit area	251gsm
Roll Weight	+12kg
Tensile strength MD	255 N/25mm
Tensile Strength XD	160 N/25mm
Thermal Resistance (R-Value)	1.55 m <sup>2</sup> K/w (including air gaps)*
Fire Rating SANS 10177 Part 5 & 10	A/A1/1 H&V (SP & USP)*
Reaction to Fire Classification SANS 53501-1	B-s1,d0*



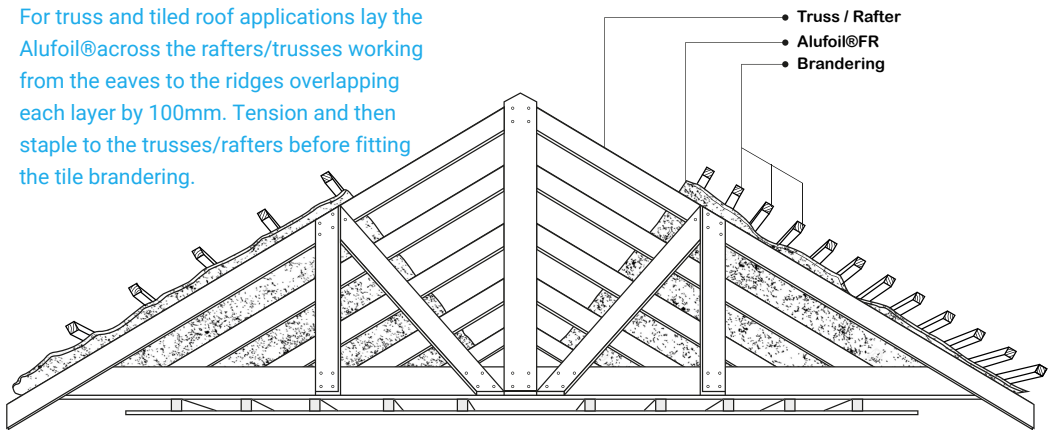
*\*Test reports available upon request*



## Installation Methodology

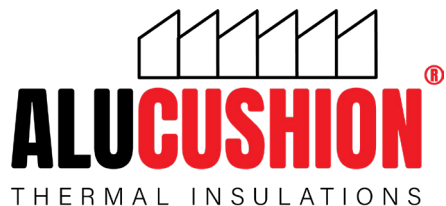
For steel roof and over-purlin applications lay the Alufoil@ over 1.6mm galvanised steel straining wire spaced at 367mm centres with the first wire positioned 50mm in from the gable end. Overlap by 100mm and hold in position until fitment of the roof sheet using GDA grade double-sided tape on the eave and apex purlins and/or in between if required.

For truss and tiled roof applications lay the Alufoil@ across the rafters/trusses working from the eaves to the ridges overlapping each layer by 100mm. Tension and then staple to the trusses/rafters before fitting the tile brandering.



## Architectural Specification

Alufoil@FR Double-sided Heavy Industrial Grade Thermal Barrier Roof Insulation laid over-purlin below the roof sheet on and including 1.6mm galvanized steel straining wire at 367mm centres with all overlaps at minimum 100mm including all cutting and waste strictly according to the manufacturers specifications.

  
THERMAL INSULATIONS

  
THERMAL INSULATION PRODUCTS & SYSTEMS ASSOCIATION SA