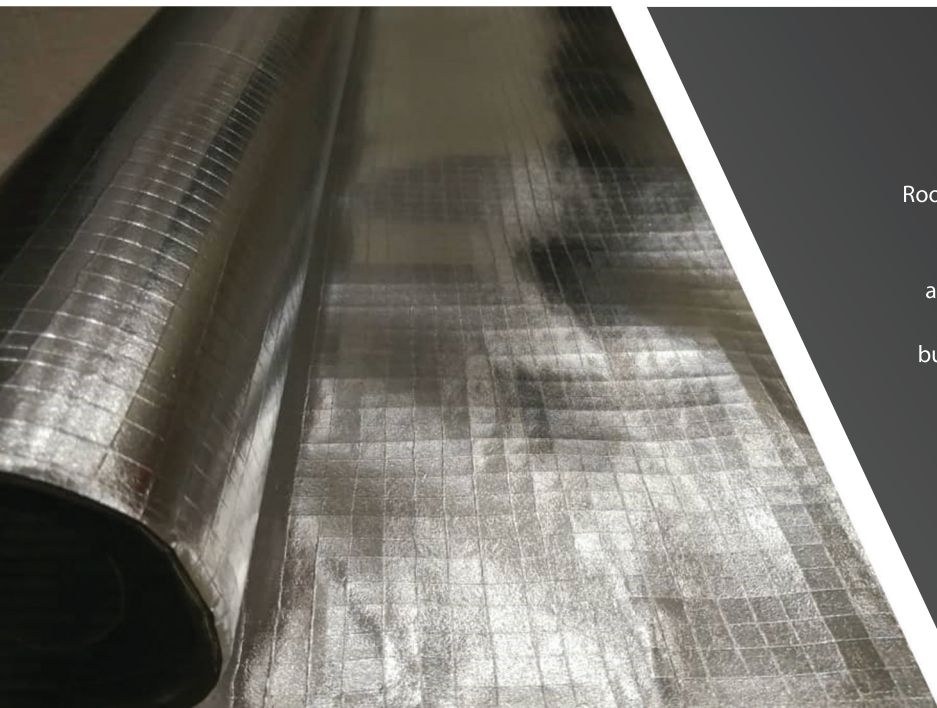




**FR-HI**  
(HEAVY INDUSTRIAL)



## PRODUCT DESCRIPTION

Alufoil FR-HI Heavy Industrial Grade Reflective Foil Roof Insulation consists of a fiberglass scrim reinforced multi-layer laminate which is produced with aluminium foil to both sides incorporating a highly advanced fire retardant additive. Alufoil FR-HI is ideal for use in Industrial, Commercial and Residential buildings and has the following value added benefits:

- Excellent temperature control
- Acts as a dust barrier
- Maintenance free and economical to install
- Energy efficient and compliant with SANS 10400XA
- Improved lighting due to high reflectivity
- Environmentally friendly

## PRODUCT DATA

DATA	FR-HI
Form	Roll
Length	>40m
Width	1250mm
Roll area:	50m <sup>2</sup>
Nominal coverage once installed:	45m <sup>2</sup>
Mass per unit area g/m <sup>2</sup>	240
Reflectivity, %	97
Water Vapour penetration, ng/N.s	1.2
Fire rating: SANS 10177 Part 11	B/B1/2/H (SP & USP)
Tensile strength: Endwise, N/25mm	220
Tensile strength: Broadwise, N/25mm	170
Bursting strength, N	198
System Thermal Resistance, m <sup>2</sup> K/W - (SANS 1381-4:2013)	1.50

## INSTALLATION INSTRUCTIONS

For domestic applications, fit one layer of the Alufoil FR-HI across the rafters/trusses working from the eaves to the ridges, overlapping each layer by a minimum of 100mm. Tension and then staple to the trusses before the fitting of the tile branding.

For industrial applications, fit one layer of the Alufoil FR-HI over-purlin directly below the roof sheeting, on and including 1,6mm galvanized steel straining wire spaced at 383mm centres, first wire positioned 50mm in from the gable end. Overlap each sheet by a minimum of 100mm, and hold in position until fitment of roof sheet using GDA grade double-sided tape on eave and apex purlins.



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