

## DESCRIPTION

# KFOIL FSK K530PEless

COMFORT LIVING , ENERGY EFFICIENCY

SINGLE SIDED REFLECTIVE ALUMINIUM PAPER FOIL,  
8x6x6 FIBERGLASS SCRIM REINFORCED,  
TRI-DIRECTIONAL 3 WAYS FSK

- Single Sided Aluminium Foil (99% Pure Aluminium) with high reflectivity (>0.97) and low emissivity (<0.03) surface.
- Reinforced with premium **tri-directional (8x6x6)** fiberglass scrim for higher mechanical product strength. **3-way** reinforcement will reduce possibility of damage during & after installation.
- Due to compaction, disintegration or moisture absorption it's help maintaining the performance over time.

SARKING MEMBRANE | VAPOR BARRIER | HEAT INSULATION | ENERGY EFFICIENCY  
COST EFFECTIVE | LOW MAINTENANCE FEE | DURABLE | ECO FRIENDLY  
LIGHT IN WEIGHT | EASY INSTALLATION | TRANSPORTABILITY

- Single sided aluminium foil (99% pure aluminium) with high reflectivity (>0.97) and low emissivity surface (<0.03)
- FSK K530PEless is **four layers** with one side external layer using aluminium foil bonded to kraft paper reinforced by fiberglass scrim
- Reinforced with premium quality **8 x 6 x 6 fiberglass scrim** (tri-directional pattern) to increase product tensile and tear strength
- FSK K530PEless character is stable and will not delaminate when high temperature or high humidity
- Eco friendly**, no crumbling or itchy material use.

## TECHNICAL DATA

PAPER BASED	Fiberglass Scrim (8x6x6)
GRAMMAGE	105 – 115 gsm
THICKNESS	170 – 270 micron
TENSILE STRENGTH (ASTM D 828)	MD: 6 – 8 kN/m XD: 6 – 8 kN/m
CORROSION/DELAMINATION (95% RH @50°C, 30 DAYS)	None
WATER VAPOUR TRANSMISSION WVTR (g/h/m <sup>2</sup> )	Max -0.03
TEAR RESISTANCE	Good
VAPOUR BARRIER	Good
WATER RESISTANCE	No Delamination

Technical information provided in this data sheet are typical laboratory averages and are used subject to variation. While the information is believed to be reliable and correct. No guarantee or warranty (expressed or implied) can be made regarding specific applications or patent rights. Product specifications are subject to change without prior notice.

## COMMON SIZE

Width(m)	Length(m)	Optimum pallet packing
1.22 ± 1%	45 ± 2%	150 Rolls
1.22 ± 1%	60 ± 2%	130 Rolls
1.22 ± 1%	100 ± 2%	100 Rolls

Customise size are available upon request within machine limits.

## APPLICATION

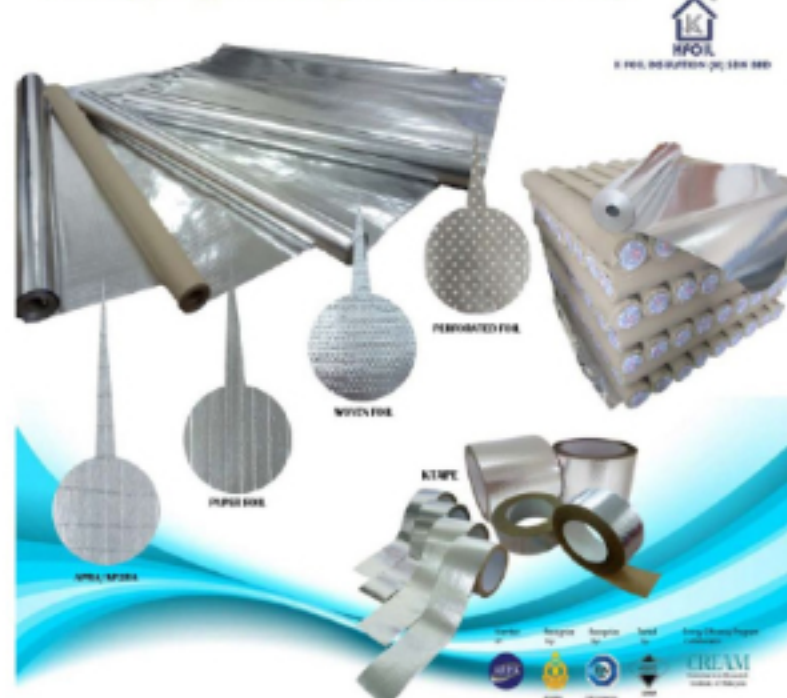
- Metal roof insulation
- Concrete / Clay tile roof insulation
- Building wrapping
- Wall insulation
- Floor insulation
- Foil facing for bulk installation
- Industrial packaging
- Etc

## RECOGNITION



## RADIANT BARRIER - ALUMINUM INSULATION FOIL

Energy Efficiency In Passive Way



### WHY IS IT GREEN?

- Energy Efficiency. Reduce radiant heat penetration into building for cooler indoor environment – less requirement for cooling appliances.
- Effective Radiant Heat barrier. Surface reflectivity of >97% (low emissivity) of aluminium foil effectively reflects radiant heat & minimising conduction & convection heat transfer
- High Recycle content. Use of recycle material 50 – 75% w/w of finished goods

### PRODUCT FEATURES

- 99% Pure aluminium. Use only pure aluminium for high reflectivity (low emissivity) properties giving superior radiant heat barrier / thermal insulation.
- Non thermal conductor material. Use only non-thermal conductor material (paper, woven fabric, plastic film, PE bubble) thus prevent self-heat generating inside the building.
- High tensile & tear strength. Reinforced structure for better performance & prevent damage especially during installation.
- Light weight & flexible. Easy to carry for installation on the high roof structure.
- Fire Retardant grade.
- Non-toxic content. Use of non-toxic material in the manufacturing process.
- Moisture/vapour barrier properties

### PRODUCT CERTIFICATION & COMPLIANCE

BS 476 Part 7: 1997 (Surface Spread of Flame)  
BS 476 Part 6: 1989+A1:2009 (Fire Propagation)  
BOMBA (Bahan Binaan Kelas '0')  
TUV SUD PSB Singapore  
ASTM C 1371 (Emittance)  
SIRIM Product Certification License (MS 2095: 2014 Radiant Barrier)  
CIDB Perakuan Pematuhan Standard (Bahan Binaan)

### APPLICABLE GBI CREDITS

NRNC	EE1, MR3
RNC	EE1, EE2, MR2, MR3
INC	EE1, MR2, MR3
NREB	EE1, MR2
IEB	EE1, MR2
INTERIORS	EE4, MR2, MR3

### COMPANY DETAILS

#### K FOIL INSULATION (MALAYSIA) SDN BHD

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