

# KFOIL · WOVEN FOIL

Lamination of woven fabric with reflective insulation material.

Insulation material either is:

**PURE ALUMINIUM FOIL** (>98% reflectivity) or  
**ALUMINIUM FILM / MPET / METALIZED FOIL** (<65% reflectivity).

Premium woven quality provide the product mechanical strength (tensile, tearing etc) and durability.

Lamination with **Polyethylene (PE)** layer comes with SUPERIOR moisture and vapor barrier properties. It improved the product flexibility, impermeable to moisture and vapor.

	UV light transmittance	Moisture penetration
Aluminium Foil, 7μ	0 %	0 g/m <sup>2</sup> .day
Metalized PET, 12μ	5 %	0.8 g/m <sup>2</sup> .day
PE Transparent, 20μ	95 %	3.7 g/m <sup>2</sup> .day
PE Opaque, 20μ	30 %	3.7 g/m <sup>2</sup> .day
PET Film, 13μ	91 %	31 g/m <sup>2</sup> .day
PVC Film, 250μ	-	3.0 g/m <sup>2</sup> .day
PP, 300μ	-	0.2 g/m <sup>2</sup> .day

(Data sourced from internet)

## Fire Retardant (FR)

Woven Foil (FR)  
 Woven Foil / Foil (FR)  
 Woven Foil / Film (FR)

## Double-Sided (D/S)

Woven Foil / Foil  
 Woven Foil / Film  
 Woven Film / Film

## Single-Sided (S/S)

Woven Foil  
 Woven Film

### **British Standard**

BS 476 **Part 6** - Fire Propagation  
 BS 476 **Part 7** - Surface Spread of Flame

(Class 1) BS 476 Part 7  
 (Class 0) BS 476 Part 6 & 7

Testing Body: **SIRIM** | **PSB TUV SINGAPORE**  
 Certification: **SIRIM** | **PSB TUV SINGAPORE** | **BOMBA**

### **Malaysia Standard 2095**

BS 476 **Part 6** - Fire Propagation  
 BS 476 **Part 7** - Surface Spread of Flame

(Class 0) BS 476 Part 6 & 7

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 Certification: **SIRIM** | **BOMBA** | **CIDB**



# KFOIL · WOVEN FOIL · SINGLE SIDED

## Single Sided Woven Foil

Single lamination of reflective insulation material onto woven fabric. Reinforced with premium woven quality to increase the mechanical product strength and durability. Special formula Polyethylene (PE) layer lamination giving it SUPERIOR moisture & vapor barrier and improved the product flexibility. Impermeable to moisture and vapor even when is creased.

**WOVEN FOIL** : >98% reflectivity --> Pure Aluminium Foil  
K740A

**WOVEN FILM** : <65% reflectivity --> Aluminium Film / MPET / Metalized Foil  
K640A

### Application (E.g.):

- Container House Heat Insulation
- Container Liner
- Heat Insulation Woven bag
- Heat Sensitive Commodity Wrapping
- Bulk Insulation Backing Foil
- Mineral Wool Facing Foil
- Building Heat Insulation (Roof, Wall, Floor)
- Wall & Floor Heat Insulation
- Facing foil for any bulk insulation
- Industry Packaging / Insulating Blanket (Pallet cover, commodity wrapper, box packaging)
- etc

Brand	Product Code	Product Description
KFOIL	K640A	Single Sided Reflective Vapour Barrier Aluminium Metalized Woven Film (3 layers)
KFOIL	K740A	Single Sided Reflective Aluminium Woven Foil (3 layers)





# KFOIL • K640A

## SINGLE SIDED REFLECTIVE VAPOUR BARRIER ALUMINIUM METALIZED WOVEN FILM

- Single Sided **3 Layers** Aluminium Metalized Woven Film.
- Metalized Film/MPET/Aluminium Film with reflectivity (>0.75-0.95) and low emissivity (<0.05-0.25) surface.
- Reinforced with premium woven quality to increase the mechanical product strength and durability.
- Special formula Polyethylene (PE) layer lamination giving it SUPERIOR moisture & vapor barrier and improved the product flexibility. Impermeable to moisture and vapor even when is creased.
- Due to compaction, disintegration or moisture absorption it's help maintaining the performance over time.

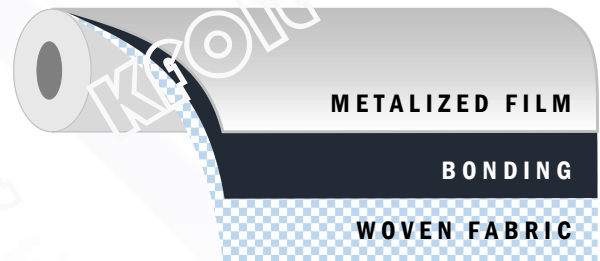
### SIZE AVAILABILITY

Customise size are available upon request within machine limits.

Width(m)	Length(m)	Optimum packing
1.22 ± 1%	48 ± 2%	140 Rolls / Pallet
1.25 ± 1% (Export size)	60 ± 2%	120 Rolls / Pallet



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### TECHNICAL DATA

#### WOVEN FABRIC

GRAMMAGE	85 – 95 gsm
THICKNESS	85 – 105 micron
TENSILE STRENGTH (ASTM D 828)	MD: 13 – 15 kN/m XD: 13 – 15 kN/m
CORROSION/DELAMINATION (95% RH @50°C,30 DAYS)	None
TEAR RESISTANCE	Excellent
VAPOUR BARRIER	Excellent
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.



### K FOIL INSULATION (MALAYSIA) SDN BHD

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SST: P13-1808-21009154



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/reflectiveinsulation



### MEMBERSHIP / RECOGNITION:

