

# 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 · DOUBLE SIDED

## Double Sided Woven Foil

Double lamination of reflective insulation material on both side of the 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 / FOIL (Fire Retardant)** : >98% reflectivity --> Pure Aluminium Foil  
MS AWA K750 >98% reflectivity --> Pure Aluminium Foil

**WOVEN FOIL / FOIL** : >98% reflectivity --> Pure Aluminium Foil  
K750A >98% reflectivity --> Pure Aluminium Foil

**WOVEN FOIL / FILM** : >98% reflectivity --> Pure Aluminium Foil  
K756A <65% reflectivity --> Aluminium Film / MPET / Metalized Foil

**WOVEN FILM / FILM** : <65% reflectivity --> Aluminium Film / MPET / Metalized Foil  
K650A <65% reflectivity --> Aluminium Film / MPET / Metalized Foil

### 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	K650A	Double Sided Reflective Vapour Barrier Aluminium Metalized Woven Film (5 layers)
KFOIL	K756A	Double Sided Reflective Vapour Barrier Aluminium Woven Foil / Film (5 layers)
KFOIL	K750A	Double Sided Reflective Vapour Barrier Aluminium Woven Foil (5 layers)
KFOIL	MS AWA K750	Fire Retardant Double Sided Radiant Barrier Reflective Aluminium Woven Foil (5 layers) (MS 2095) SIRIM, BOMB, CIDB

# KFOIL • MS AWA K750

## FIRE RETARDANT DOUBLE SIDED RADIANT BARRIER REFLECTIVE ALUMINIUM WOVEN FOIL

- Fire Retardant Double Sided **5 Layers** Aluminium Woven Foil.
- Comply with Fire Retardant properties in accordance to **BS 476 Part 6 & 7 (CLASS "0")**
- Tested according to **MS2095:2014**
- 99% Pure Aluminium with high reflectivity (>0.98) and low emissivity (<0.02) surface.
- Reinforced with premium woven quality to increase the mechanical product strength and durability.

### SIZE AVAILABILITY

Customise size are available upon request within machine limits.

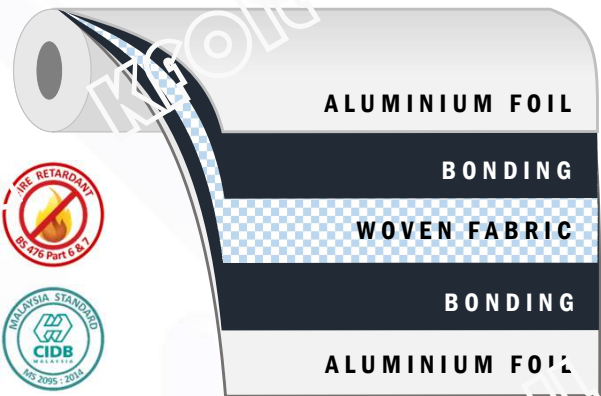
Width(m)	Length(m)	Optimum packing
1.22 ± 1%	48 ± 2%	140 Rolls / Pallet
1.25 ± 1% (Export size)	60 ± 2%	120 Rolls / Pallet

### TECHNICAL DATA

#### WOVEN FABRIC

GRAMMAGE	130 - 150 gsm
THICKNESS	130 - 180 micron
THERMAL RESISTANCE (ISO 8301, MS ISO8302)	R-Value: ~ 1.212 m <sup>2</sup> K/w U-Value: ~ 0.825 W/m <sup>2</sup> K K-Value: ~ 0.083 W/mK
REFLECTIVITY (ASTM C 1371)	0.98
EMISSIVITY (ASTM C 1371)	0.02
RESISTANCE TO DRY LAMINATION (AS/NZS 4201.1)	No Delamination
RESISTANCE TO WET LAMINATION (AS/NZS 4201.1)	No Delamination
VAPOUR BARRIER (ASTM E96)	0.002 - 0.14 µg/N.s >7 to <450 MN.s/g
SHRINKAGE (AS/NZS 4201.3)	MD: < 0.5% CD: < 0.5%
TENSILE STRENGTH (AS/NZS 1301.448s)	MD: >7.5 to <9.5 CD: >7.5 to <9.5
EDGE TEAR RESISTANCE (TAPPI T470)	MD: > 200 N CD: > 240 N
INITIAL TEAR RESISTANCE (ASTM D1004)	MD: 45-60 CD: 45-60

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.



#### British Standard

BS 476 Part 6 - Fire Propagation  
BS 476 Part 7 - Surface Spread of Flame  
(Class 0) BS 476 Part 6 & 7

Testing Body: SIRIM  
Certification: SIRIM | BOMBA

#### Malaysia Standard

MS 2095

Testing Body: SIRIM  
Certification: SIRIM | BOMBA | CIDB

## K FOIL INSULATION (MALAYSIA) SDN BHD

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ROC: 201101022296 (950435-D)  
SST: P13-1808-21009154



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/reflectiveinsulation



### MEMBERSHIP / RECOGNITION:

