

KFOIL KFOIL KFOIL  
**APRA K431**

Fire Retardant Double Sided  
Vapour Barrier Aluminium Paper Foil,  
16x8 Fibreglass Scrim Reinforced



Manufacturer:

**K FOIL Insulation (Malaysia) Sdn Bhd**

9 & 11, Kilang Berkembar, Lorong IKS Bukit Minyak 1D,  
14000 S.P.T, Pulau Pinang, Malaysia  
SST: P13-1808-2100915



+604 502 4898  
+604 507 6306  
info@kfoil.com.my  
www.kfoil.com.my  
/reflectiveinsulation



Website



Member of



Energy Efficiency  
Program Collaborator

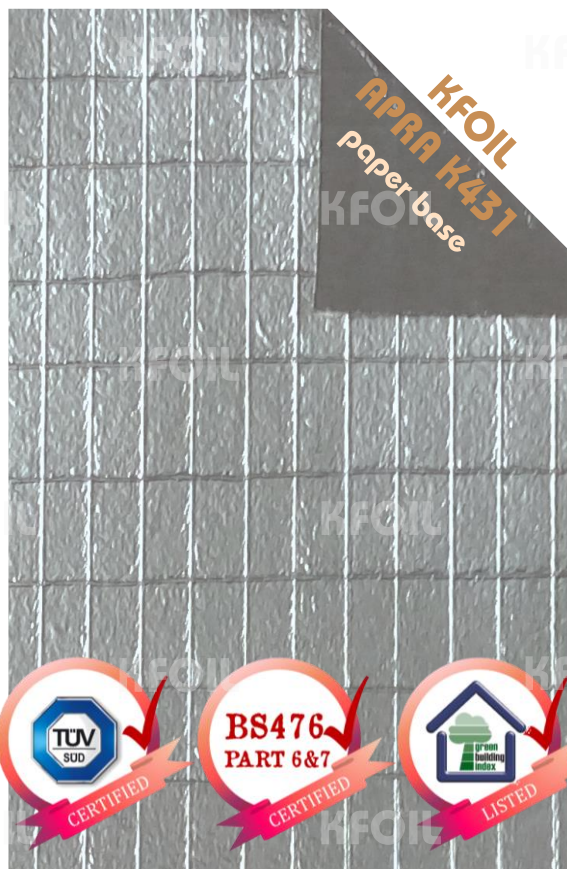


Listed with



Listed with

Comfort living , energy efficiency



Product image are for illustrative purpose only and may be differ from the actual product. Due to differences in monitor, color of products may also appear different to those shown on the side.

**FIRE PROPERTIES**

- BS 476-6: Fire Propagation
- BS 476-7: Surface spread of flame

**Go GREEN**

- Energy efficiency in passive way

Tested and Certified by:



PSB Singapore

Recognize by:



Comfort living , energy efficiency

STRUCTURE	Foil   2 way   Kraft   Foil	
Reinforcement	Fiberglass Scrim (16 x 8 threads /100m)	
Fire Retardant	BS 476 Part 6	Complied
Fire Retardant	BS 476 Part 7	Complied
Thermal Resistance	ISO 8301 MS ISO8302	~ 1.282 m <sup>2</sup> k/w
Reflectivity	ASTM C 1371	0.98
Emissivity	ASTM C 1371	0.02
Grammage	In House	140 – 170 gsm
Thickness	In House	190 – 240 micron
Resistance to dry lamination	AS/NZS 4201.1	No delamination
Resistance to wet lamination	AS/NZS 4201.1	No delamination
Shrinkage (MD)	AS/NZS 4201.3	< 0.5 %
Shrinkage (CD)	AS/NZS 4201.3	< 0.5 %
Tensile Strength (MD)	AS/NZS 1301.448s	> 5 kN/m
Tensile Strength (CD)	AS/NZS 1301.448s	> 2 kN/m
Edge Tear Resistant (MD)	TAPPI T470	> 30 N
Edge Tear Resistant (CD)	TAPPI T470	> 20 N
Vapour Barrier	ASTM E96	0.002 - 0.14 µg/N.s
Surface Water Absorbency	AS/NZS 4201.6	> 100 g/m <sup>2</sup>
Folding Endurance (MD)	AS/NZS 1301.423rp	< 2.00 log <sub>10</sub> 100
Folding Endurance (CD)	AS/NZS 1301.423rp	< 1.70 log <sub>10</sub> 50
Corrosion / Delamination	95% RH @ 50°C, 30 days	None

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.

Width: 1.22m ± 2%  
Length: 45 & 60m ± 2%  
\* Customise size are available upon request

Comfort living , energy efficiency

## BENEFITS

- ✓ 99% Pure Aluminium Foil with high reflectivity (>0.98) & low emissivity (<0.02) surface.
- ✓ Fire Retardant properties in accordance to BS 476 Part 6 & 7.
- ✓ Special bonding layer giving superior vapour barrier.
- ✓ Reinforced with 16x8 fiberglass scrim for higher mechanical product strength and durability.
- ✓ Light weight, ease for transportation and during installation.
- ✓ Eco friendly, no crumbling or itchy material used.
- ✓ Product character is stable and will not delaminate when expose to high temperature or humidity.
- ✓ Resistance to moisture, mold & fungi.

## RECOMMENDED APPLICATIONS

- Heat insulation industrial material
- HVAC duct insulation
- Building wrapping
- Cold room installation
- Thermal Tank
- Wall insulation
- Sauna Room

## ABOUT K FOIL

The PIONEER MANUFACTURER of premium quality KFOIL Reflective insulation, Vapour barrier, Radiant Barrier foil in Malaysia.

Our products majority used for packaging, wrapping for mineral wool or HVAC ducting, construction industry as building wrapping for wall, floor or roofing and etc.

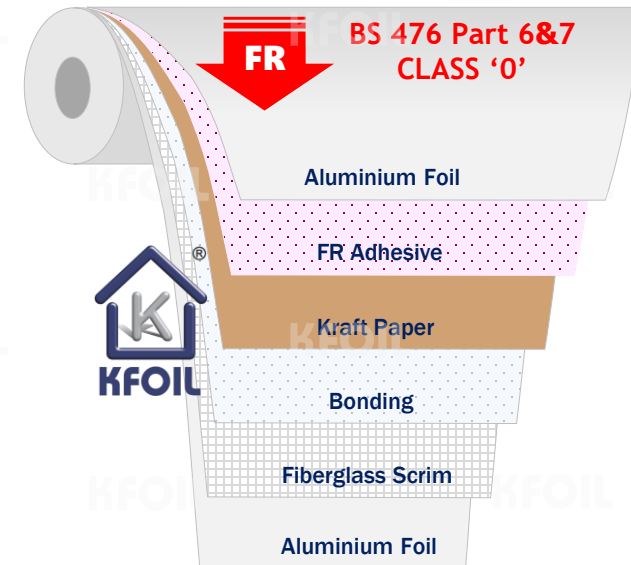
We are looking toward in promoting the GREEN CONCEPT and SUSTAINABLE development of urban infrastructures.

	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)

# KFOIL APRA K431

Fire Retardant Double Sided Vapour Barrier Aluminium Paper Foil, 16x8 Fibreglass Scrim Reinforced



Comfort living , energy efficiency

Comfort living , energy efficiency

Comfort living , energy efficiency