

KFOIL APRA K431

**FIRE RETARDANT DOUBLE SIDED REFLECTIVE
VAPOUR BARRIER ALUMINIUM PAPER FOIL,
16x8 FIBERGLASS SCRIM REINFORCED (6 layers)**

- Double Sided **6 Layers** Aluminium Foil (99% Pure Aluminium) with high reflectivity (>0.97) and low emissivity (<0.03) surface.
- Reinforced with **bi-directional (16x8)** fiberglass scrim to increase the mechanical product strength and durability. **2-way** reinforcement will reduce possibility of damage during & after installation.
- Comply with Fire Retardant properties in accordance to **BS 476 Part 6 & 7 (CLASS "0")**
- Special formula adhesive and Polyethylene (PE) layer lamination giving it SUPERIOR moisture & vapor barrier and improved the product flexibility. Impermeable to moisture and vapor even when is creased.

APRA K431 LAYOUT



RECOMMENDED APPLICATION

- Metal roofing insulation
- Concrete / Clay tile roofing insulation
- Building wrapping
- Wall insulation
- Floor insulation
- Foil facing for bulk installation
- Industrial packaging
- Thermal tank
- Sauna room
- Etc



SIZE AVAILABILITY

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

Customise size are available upon request within machine limits.

REINFORCEMENT	Fiberglass Scrim (16x8)
GRAMMAGE	150 – 170 gsm
THICKNESS	200 – 250 micron
THERMAL RESISTANCE (ISO 8301, MS ISO8302)	R-Value: ~ 2.102 m ² K/w U-Value: ~ 0.476 W/m ² K K-Value: ~ 0.048 W/mK
REFLECTIVITY (ASTM C 1371)	0.98
EMISSIONITY (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
SHRINKAGE (AS/NZS 4201.3)	MD: < 0.5% CD: < 0.5%
TENSILE STRENGTH (AS/NZS 1301.448s)	MD: > 5 kN/m CD: > 2 kN/m
EDGE TEAR RESISTANCE (TAPPI T470)	MD: > 30 N CD: > 20 N
FOLDING ENDURANCE (AS/NZS 1301.423rp)	MD: > 2.00 log ₁₀ 100 CD: > 1.70 log ₁₀ 50

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.

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

(Data sourced from internet)



K FOIL INSULATION (MALAYSIA) SDN BHD

950435-D

9 & 11, KILANG BERKEMBAR, LORONG IKS BUKIT MINYAK 1D, 14000 S.P.T, PENANG, M'SIA

+604-5024898

sales@kfoil.com.my

www.kfoil.com.my