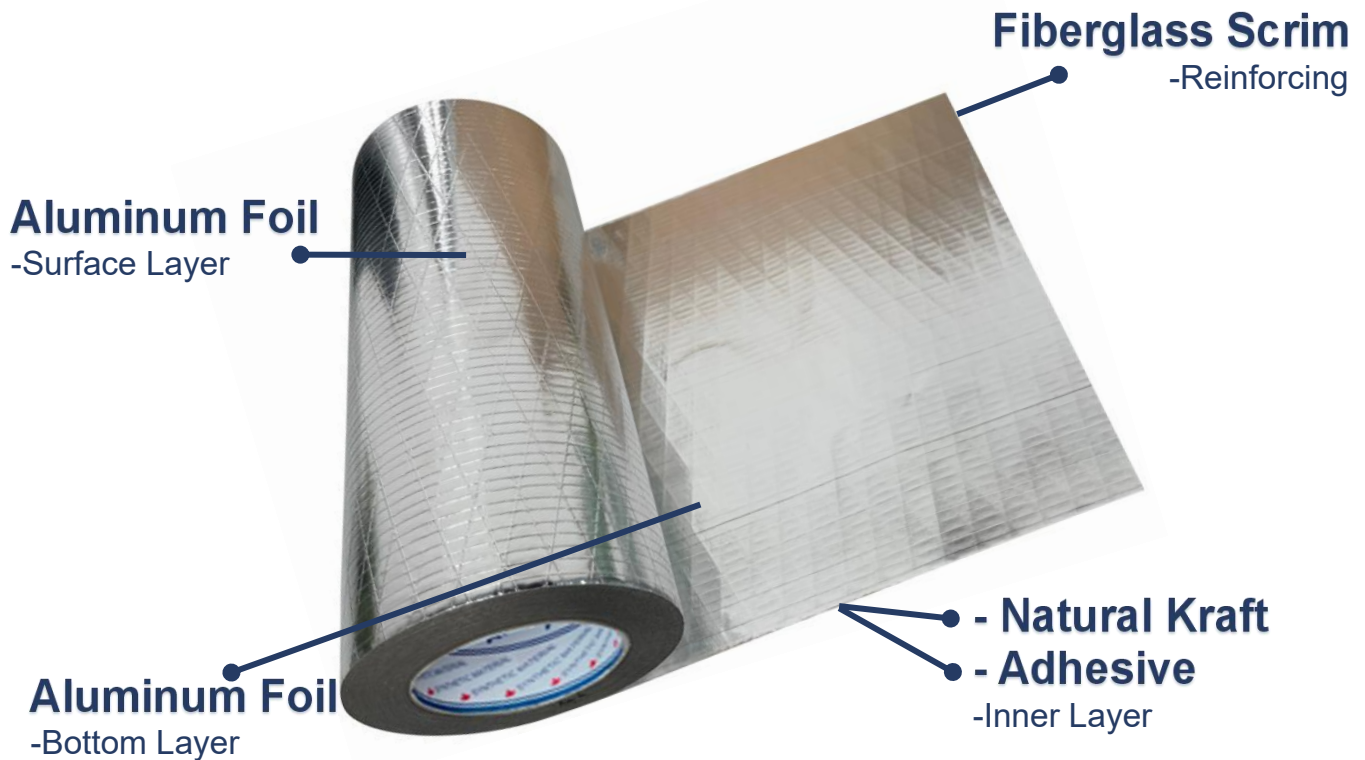


Ark^{nt}® ARK-F80LD

CONSTRUCTION:



ARK-F80LD is anti-oxidative and corrosion-resistant, compliant with Australian Standard 1530.2 for flame retardancy and AS/NZS 4200 for tensile classification.

SAMPLE:





VAPOUR BARRIER SYSTEM

Foil / Scrim / Kraft / Foil (ARK-F80LD)

FACING COMPOSITION	DESCRIPTION	VALUES (ENGLISH)	VALUES (METRIC)
Foil	Aluminum	0.0003 inch	6.5 micron
Adhesive	Flame Resistant		
Reinforcing	Tri-Directional Fiberglass	5 / inch (MD) 4 / inch (XD)	20 / 100mm (MD) 16 / 100mm (XD)
Kraft	Natural	49 lbs / 3000 ft ²	80 g/m ²
Foil	Aluminum	0.0003 inch	6.5 micron

PHYSICAL PROPERTIES	TEST METHOD	VALUES	REQUIREMENT
Flammability Index	AS 1530.2-1993	≤ 5 (Low)	High (> 5) / Low (≤ 5)
Basis Weight	Scale	145 g/m ²	Value
Nominal Thickness	Caliper	0.23 mm	Value
Duty	AS/NZS 4200.1:2017	Heavy Duty	Classification
Edge Tear Resistance	AS/NZS 4200.1:2017	60 N (MD) 57 N (LD)	> 45 N > 45 N
Tensile Strength	AS 1301.448s-91	≥ 10.4 kN/m (MD) 6.37 kN/m (LD)	> 7.5 kN/m (MD) > 4.5 kN/m (XD)
Vapour Control	ASTM E96	Class 1 Vapour Barrier	Class 1 to 4
Vapour Permeance	ASTM E96	1.15 ng/N.s	Value
Water Control	AS/NZS 4201.4:1994	Water Barrier	Classification
Air Control	AS/NZS 4200.1:2017	Air Barrier	Classification
Resistance to Dry Delamination	AS/NZS 4201.1:1994	Pass	Pass
Resistance to Wet Delamination	AS/NZS 4201.2:1994	Pass	Pass
Shrinkage (Repeated wetting & drying)	AS/NZS 4201.3:1994	0.0%	< 0.5%
Electrical Conductivity	AS/NZS 4200.1:2017	Conductive	Classification
Emittance Classification	AS/NZS 4200.1:2017	Reflective	Classification

TECHNICAL SERVICES

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