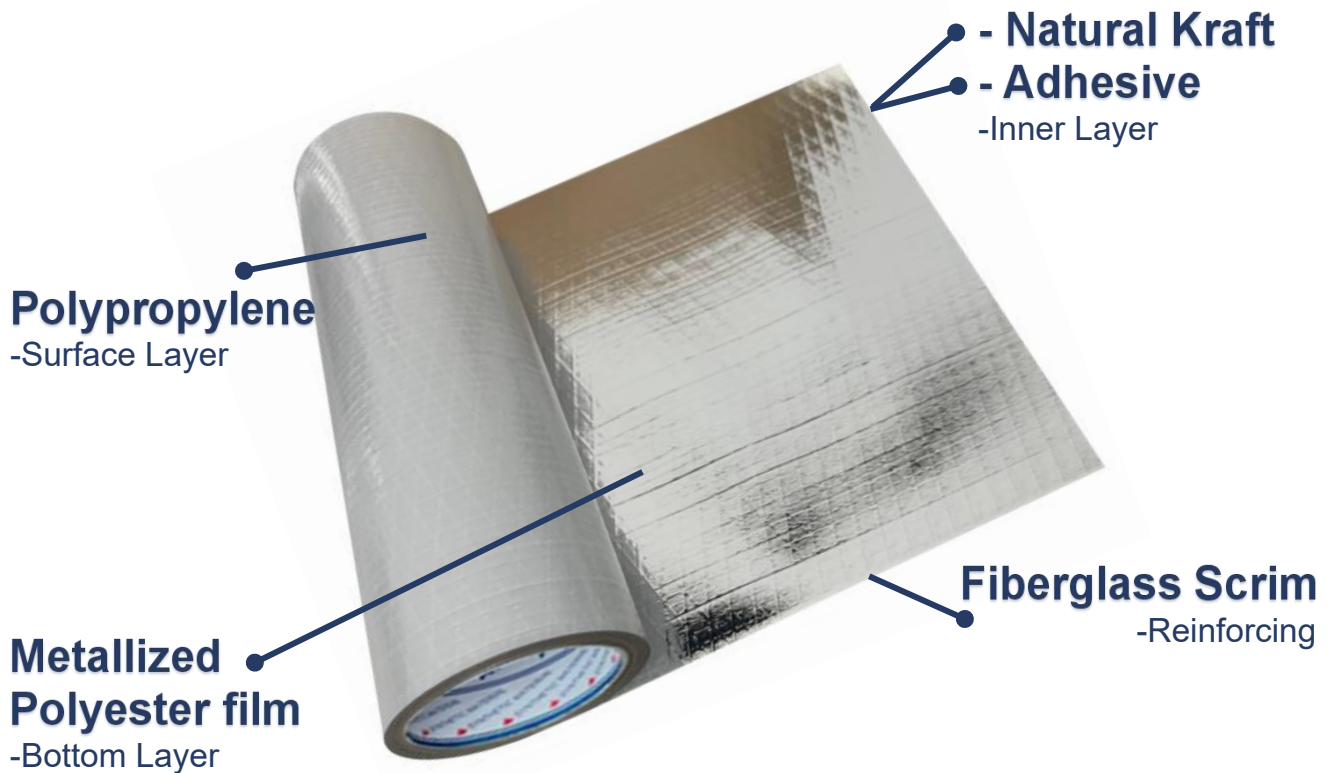


Ark^{nt}® ARK-W50

CONSTRUCTION:



ARK-W50 combines anti-oxidation, corrosion resistance, high strength, and long-lasting flame-retardant properties in one product.

SAMPLE:



VAPOUR BARRIER SYSTEM

Polypropylene / Scrim / Kraft / Foil / Polyester (ARK-W50)

FACING COMPOSITION	DESCRIPTION	VALUES (ENGLISH)	VALUES (METRIC)
White Film	Polypropylene	0.0010 inch	25 micron
Adhesive	Flame Retardant		
Reinforcing	Tri-Directional Fiberglass	5 / inch (MD) 5 / inch (XD)	20 / 100mm (MD) 20 / 100mm (XD)
Kraft	Flame Retardant	31 lbs / 3000 ft ²	50 g/m ²
Film	Metallized Polyester	0.0005 inch	12.7 micron

PHYSICAL PROPERTIES	TEST METHOD	VALUES (ENGLISH)	VALUES (METRIC)
Basis Weight	Scale	32 lbs / 1000 ft ²	156 g/m ²
Permeance (WVTR)	ASTME96/ProcedureA	0.02 perm	1.15 ng/N.s
Tensile Strength	ASTM D828	65 lbs/inch (MD) 60 lbs/inch (XD)	11.4 kN/m (MD) 10.5 kN/m (XD)
Thickness	Micrometer Caliper	0.009 inch	250 micron
Fire Rating	ASTM E84	Class A	Class A
Accelerated Aging	ASTM C1258 30 Days @ 95% RH, 120°F (49°C)	No Corrosion No Delamination	No Corrosion No Delamination
Low Temperature Resistance	ASTM C1263 4 Hours at -20°F (-29°C)	Remains Flexible No Delamination	Remains Flexible No Delamination
High Temperature Resistance	ASTM C1263 Modified 4 hours at 240°F (116°C)	Remains Flexible No Delamination	Remains Flexible No Delamination
Water Immersion	24 hours @ 73°F (23°C)	No Delamination	No Delamination
Dimensional Stability	ASTM D1204	0.25%	0.25%
Light Reflectance	ASTM C523	85%	85%

TECHNICAL SERVICES

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