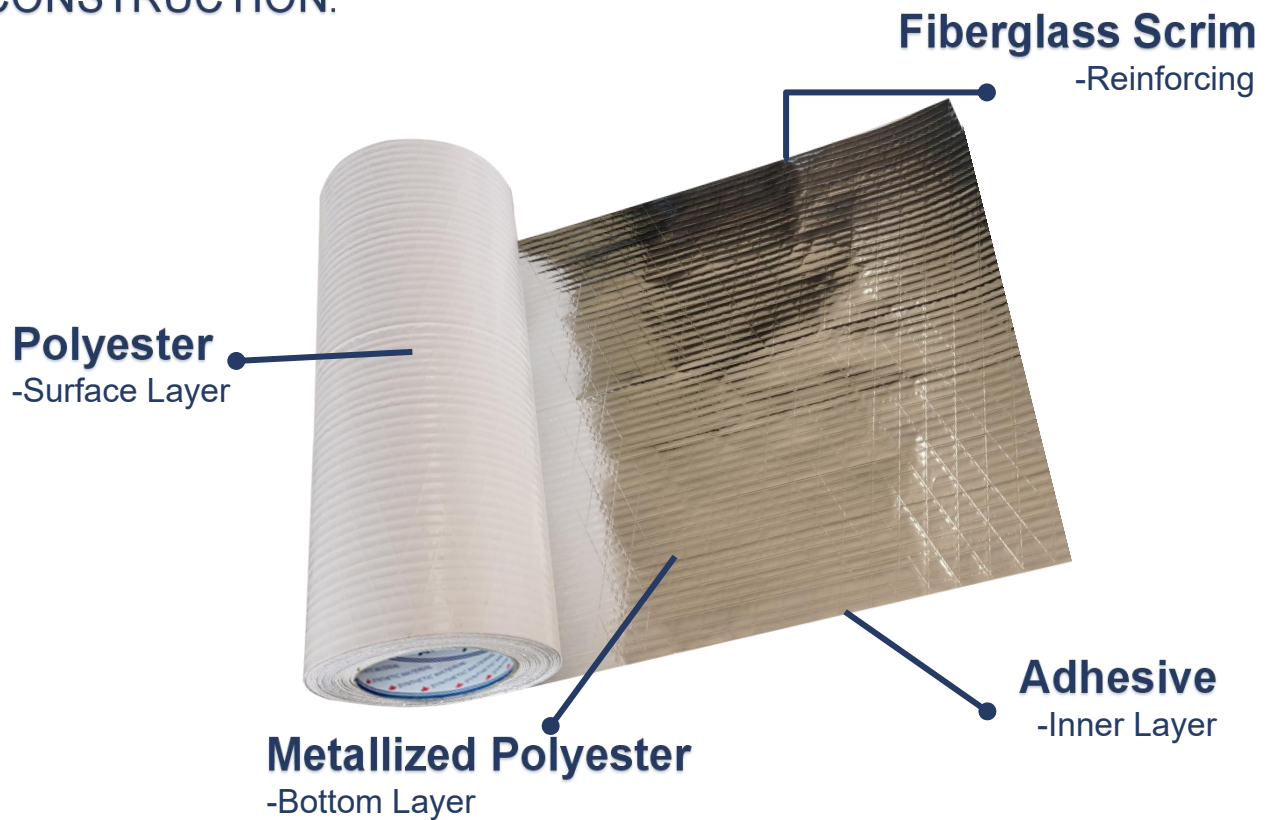


Ark^{nt}® ARK-W40

CONSTRUCTION:



ARK-W40 is non-paper based, anti-oxidation, corrosion-resistant, and maintains long-lasting flame-retardant performance.

SAMPLE:



VAPOUR BARRIER SYSTEM

Polyester / Scrim / Polyester (ARK-W40)

FACING COMPOSITION	DESCRIPTION	VALUES (ENGLISH)	VALUES (METRIC)
White Film	FR Polyester	13 lbs / 3000 ft ²	21 g/m ²
Adhesive	Flame Resistant		
Reinforcing	Tri-Directional Fiberglass	5 / inch (MD) 4 / inch (XD)	20 / 100mm (MD) 16 / 100mm (XD)
Film	Metallized Polyester	0.0005 inch	12.7 micron

PHYSICAL PROPERTIES	TEST METHOD	VALUES (ENGLISH)	VALUES (METRIC)
Basis Weight	Scale	16 lbs / 1000 ft ²	80 g/m ²
Permeance (WVTR)	ASTME96/ProcedureA	0.02 perm	1.15 ng/N.s
Tensile Strength	ASTM D828	40 lbs/inch (MD) 31 lbs/inch (XD)	7.0 kN/m (MD) 5.4 kN/m (XD)
Thickness	Micrometer Caliper	0.006 inch	155 micron
Fire Rating	ASTM E84	Class B	Class B
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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