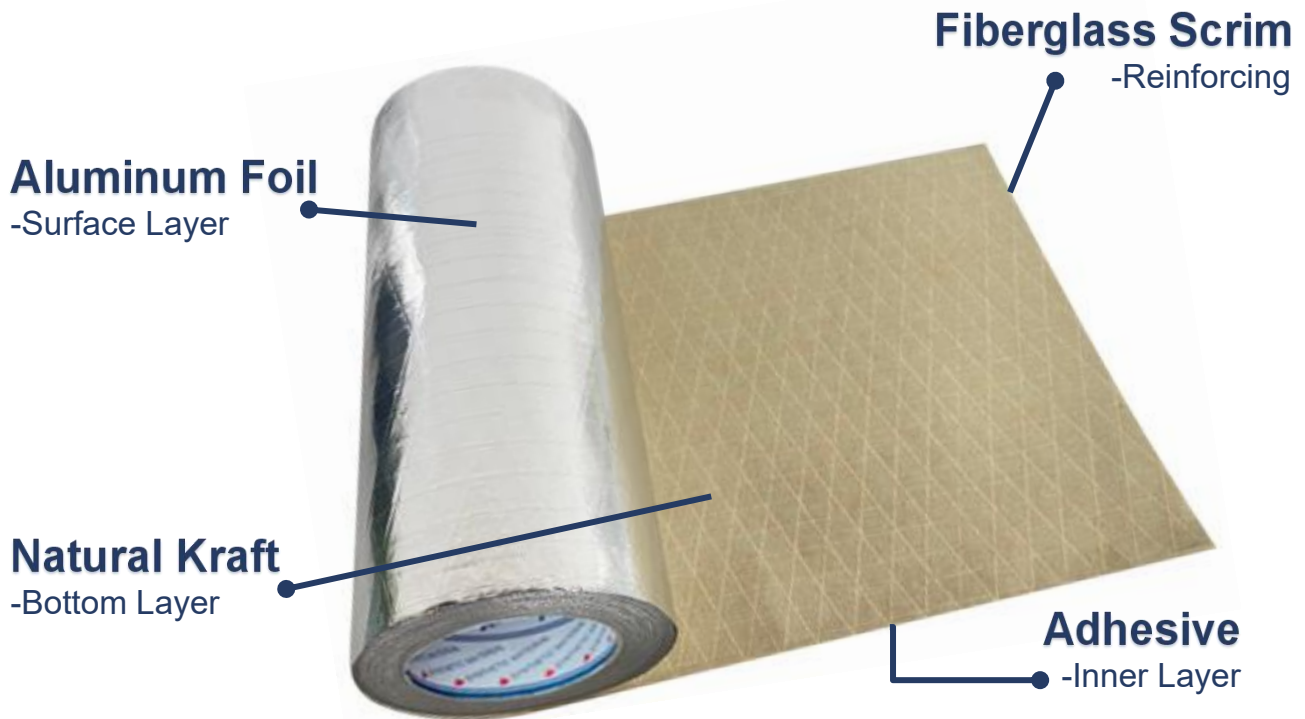


Ark^{nt}® ARK-F50

CONSTRUCTION:



ARK-F50 provides outstanding resistance to oxidation, corrosion, and bursting resistance.

SAMPLE:



VAPOUR BARRIER SYSTEM

Foil / Scrim / Kraft (ARK-F50)

FACING COMPOSITION	DESCRIPTION	VALUES (ENGLISH)	VALUES (METRIC)
Foil	Aluminum	0.0003 inch	6.5 micron
Adhesive	Flame Resistant		
Reinforcing	Tri-Directional Fiberglass	2 / inch (MD) 3 / inch (XD)	8 / 100mm (MD) 12 / 100mm (XD)
Kraft	Natural	43 lbs / 3000 ft ²	70 g/m ²

PHYSICAL PROPERTIES	TEST METHOD	VALUES (ENGLISH)	VALUES (METRIC)
Basis Weight	Scale	20 lbs / 1000 ft ²	93 g/m ²
Permeance (WVTR)	ASTME96/ProcedureA	0.02 perm	1.15 ng/N.s
Tensile Strength	ASTM C1136	31 lbs/inch (MD) 17 lbs/inch (XD)	5.5 kN/m (MD) 3 kN/m (XD)
Bursting Strength	ASTM D774	26 psi	1.8 kg/cm ²
Thickness	Micrometer Caliper	0.006 inch	160 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 D1790 -40°F (-40°C)	Remains Flexible No Delamination	Remains Flexible No Delamination
High Temperature Resistance	4 hours @ 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	0.5%	0.5%
Emissivity	ASTM E408	0.03	0.03

TECHNICAL SERVICES

Tel: +1 7783251557

info@arksynthetics.com

www.arksynthetics.com