

FLEXION® 2.0 60 MIL SPECIFICATION DATA SHEET

Flexion® 2.0

Copolymer-Alloy Membrane Roofing
D4434 Type III

60 mils

CONKLIN®

**ROOFING
SYSTEMS**

Product Description:

- Flexion® 2.0 has minimal thickness of 60 mil with a minimum 27 mil thickness over scrim.
- A Kevlar®-reinforced fastening edge, non-moisture-wicking scrim material for exceptional strength.
- High tensile strength and puncture resistance.
- Heat-welded seams provide excellent strength.
- For use in Mechanically Fastened and Adhered installations.

Fabric Specifications

Base Fabric Weight	3.01 oz/yd ²
Fiber/Style	Polyester-Aramid / Knit
Thickness, overall (min)	60 mils
Thickness over scrim (min)	27 mils
Coating Type	PVC/KEE

MATERIAL PROPERTIES

PROPERTY	MINIMUM	TYPICAL	TEST METHOD
Tensile Strength, Grab Warp/Fill	270 / 240 lbs.	300 / 300 lbs.	ASTM D751A
Tensile Elongation, Grab Warp/Fill	15 / 15%	20 / 20%	ASTM D751A
Tear Strength, Trapezoidal Warp/Fill	85 / 85 lbs.	95 / 95 lbs.	ASTM D751
Properties After Oven Aging (retained)			ASTM D573
• Tensile Strength, Grab	90%	95%	ASTM D751A
• Tensile Elongation	90%	95%	ASTM D751
Puncture Strength, Screwdriver	65 lbs.	75 lbs.	ASTM D751
Ozone Resistance (no cracks)	Pass		ASTM D1149
UV Resistance (no cracks)	26,000 hrs.		ASTM G154
Water Absorption	<3%	<2.5%	ASTM D471
Dimensional Stability (1 hr./100°C)	<1%	<0.5%	ASTM D1204
Solar Reflectance	0.86		ASTM C1549
Solar Emittance	0.86		ASTM E408
Solar Reflective Index (initial)	108		ASTM E1980
Solar Reflective Index (after 3 years)	84		ASTM E1980
Low Temperature Bend	-40° F		ASTM D2136

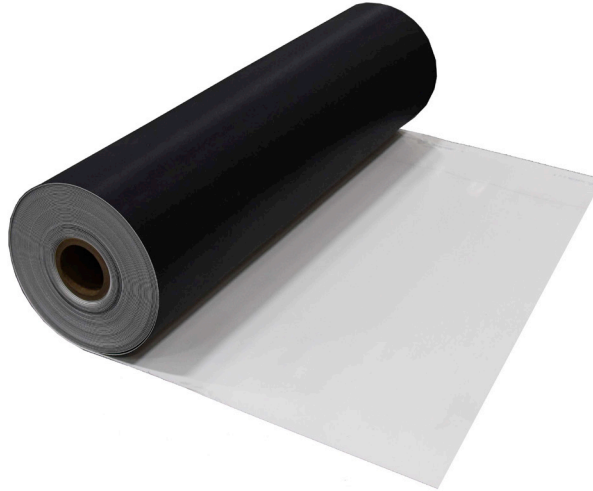
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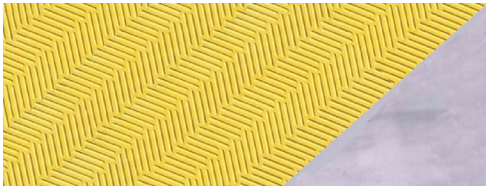
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Sizes (White Color):
78" x 100' roll
39" x 100' roll
Unsupported roll 24" x 60



Companion Products:

36" x 60' Walk Pad Yellow 100 mil

Stock and Custom Flashing and Accessories Available

Please refer to the Safety Data Sheet and product label prior to using this product. The Safety Data Sheet is available at conklin.com. The physical and chemical properties of the product listed herein represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations.

	Rated Product ID #: 0848-0012		
		Initial	Aged
	Solar Reflectance	0.86	0.70
	Thermal Emittance	0.86	0.82
<small>The ratings above are subject to CRRC rating program conditions, requirements, and limitations. Visit coolroofs.org for important information and disclaimers about CRRC rating conditions, requirements, and limitations.</small>			
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