

SPECIFICATION DATA SHEET

FLEXION 2.0 FLEECE BACKED

60 mil PVC/KEE with Fleece Backing

CONKLIN[®]
ROOFING
SYSTEMS

Product Description:

Flexion[®] 2.0 Fleece Backed is a PVC Copolymer-Alloy Membrane Roofing D4434 Type III. Flexion[®] 2.0 has a minimum thickness of 60 mil with a minimum thickness of 27 mil 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 adhered installations.

Fabric Specifications

Thickness, overall (min)	60 mils
Thickness over scrim (min)	27 mils
Fabric Backing	3.8 oz. Polyester Fleece
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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