

CCW-MIRAPLY-V MATERIAL CERTIFICATION

This is to certify that CCW MiraPLY-V is a vertical grade, self-adhering membrane that is comprised of a tough, durable and flexible TPO backing with a butyl alloy adhesive designed for blindside waterproofing in below-grade construction. CCW MiraPLY is manufactured in the USA.

CCW manufactures CCW MiraPLY-V Membrane to comply with the following ASTM typical property values

and meets the specification requirements:

CCW-MiraPLY-V-Property	Test Method	Unit	Typical Value*
TPO	-	mils (mm)	22 (.56)
Butyl Alloy	-	mils (mm)	25 (.64)
Thickness	ASTM D 1970	mils (mm)	47 (1.19)
Water Vapor Transmission	ASTM E 96 B	perms	0.100
Tensile Strength	ASTM D 882	psi	1,360
300% Modulus	ASTM D 412	psi	1,390
90 ⁰ T-Peel	ASTM D 1876	lb.	>5.0
Elongation @ Break @ 23 ⁰ C (Die C)	ASTM D 412	%	335
Flexibility Temperature @ -29°C (-20°F)	ASTM D 1970	Pass/Fail	No Cracking - Pass
Hydrostatic Pressure Resistance	ASTM D 5385	ft.	>231 (100 psi)
Peel Strength Over Poured Concrete (tested w/2" strips)	ASTM D 903	lb.	5.6
Puncture Resistance Elongation	ASTM E 154	in.	4.9
Puncture Resistance Load at Puncture	ASTM E 154	lb.	106.4
Tear Strength	ASTM D 624	psi	685
Soil Decay Testing – E 96 Permeance	ASTM E 154	-	pass
Soil Decay Testing – Weight Loss	ASTM D 154	-	Pass

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