



# PHX-PVC 50 Mil

## Data Sheet

### Product Description:

Phoenix PVC 50 mil Single-Ply Membrane is a resin based sheet with reinforced anti-wicking polyester scrim for added water resistance and strength. Our formulation includes pigments, plasticizers, fillers, and stabilizers exceeding ASTM D-751/D-4434. Available in White, Tan, Grey, Dark Brown, Solar Reflective (SR) Tan, and Solar Reflective (SR) Grey.

### Packaging:

Size            Sq. Ft. / Weight per roll (approx.)

6' x 100'    600 sq. ft. / 198 lbs.

3' x 100'    300 sq. ft. / 99 lbs.

### Features:

- Heat welded seams provide superior seam strength
- Specially Formulated for ponding water
- Exceeds Energy Star™ and California Title 24 requirements for Solar Reflectance and Emissivity
- Every warranty is a No Dollar Limit (NDL) and 100 percent Non-Prorated warranty

### Warranties:

- Up to 20-Year Limited Commercial Material Warranty
- Residential Lifetime Material only Warranty
- Warranty Advantage and Total warranties System option for Authorized installer
- All warranties are Transferable

Membrane Color	Thickness in Mil	Solar Reflectant	Thermal Emittance	SRI Value	SRI Value 3-year	LRV
White	50,60,80	0.870	0.88	110	91	94.3
SR Tan	60	0.770	0.87	95	78	69.7
SR Grey	60	0.770	0.87	95	75	67.2
Tan	50,60,80	0.366	0.87	39	N/A	30.2
Brown	60	0.079	0.87	2	N/A	7.2
Grey	50,60,80	0.163	0.88	13	N/A	18.1

Property	Test	Requirement	50 Mil
Overall thickness of PVC sheet,	ASTM D751	0.045	0.050 nom
Breaking strength, min. (lbf/	ASTM D751	225	Pass
Elongation at the break, min. %	ASTM D751	20	Pass
Retention of properties after heat aging (min. % of original):	ASTM D4434	90	Pass
Tearing strength, min. (lbf	ASTM D751	45	Pass
Low temperature bend	ASTM D2136	-40°F	Pass
Accelerated weathering Cracking (7x magnification) Crazing (7x magnification)	ASTM D4434	None None	Pass
Dimension stability, max %	ASTM D1204	0.5	Pass
Change in weight after immersion in water, max %	ASTM D570	3.0	1.75 nom
Static puncture resistance	ASTM D5602	33	Pass
Dynamic puncture resistance	ASTM D5635	14.7	Pass