



PVC



Smooth-Surface Sheets: 45-60-80mil

PVC is a PVC thermoplastic membrane produced with a polyester scrim reinforcement. It is a high performance, single-ply membrane utilizing a PVC blend. PVC is heat weldable and has excellent fire and chemical resistance properties. The membrane is safe to install with heat weldability.

● CHARACTERISTICS & ADVANTAGES

- > Highly Flexible, Superior Weldability
Making it easy to conform to complex geometries and ease of installation
- > Excellent Chemical Resistance
Inherently resistant to oils, air conditioning coolants, fuels and grease.
- > Excellent Tear Strength Resistance
- > Superior Fire Resistance
- > Long-term Weatherability
Fully formulated monolithic top-ply
- > Energy Savings
The White provide exceptional reflectivity & emissivity

● PACKAGING AND DIMENSION

THICKNESS (mils)	45 (1.14mm)	60 (1.52mm)	80 (2.03mm)
ROLL WEIGHT (lb)	158.2 (71.8kg)	208.8 (94.7kg)	276.6 (125.5kg)
ROLL WIDTH (ft)	6.89 (2.1m)		
ROLL LENGTH (ft)	72.5 (22.1m)		
COVERAGE (ft ²)	500 (46.41m ²)		

● APPLICATION

PVC can be installed in mechanically attached or fully adhered systems. For fully adhered systems, Bonding adhesives are approved. Please refer to the specific adhesive data sheet for application guidelines. For mechanically attached systems, please consult your representative for specific fastening patterns. All laps must be heat-welded to ensure a water tight seal.





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• CONSTRUCTION PROCESS

Basement Layer Cleanup ► Lay Vapour Barrier and Adhesion ► Insulation Laying and Fixed ► Waterproof Layer Laying and Fixed ► Detail Treatment ► Self-inspection ► Completion Acceptance ► Project Hand Over

PHYSICAL PROPERTIES

Meets the requirements ASTM D4434

Standard Specification for Poly (Vinyl Chloride) Sheet Roofing (Type III)

Type	ASTM Test Method	ASTM Min Values	Typical Value		
			45 mil	60 mil	80 mil
Thickness over scrim	ASTM D7635	16mil(0.4mm)	17 mil (0.413 mm)	27 mil (0.68 mm)	33 mil (0.84 mm)
Weight (lb/ft ²) (kg/m ²)	N/A	N/A	0.306 (1.48)	0.405 (1.97)	0.541 (2.64)
Breaking Strength	ASTM D751	200lbf/in(890N)	MD:290(1290) CD: 250(1112)	MD:305(1357) CD:270(1201)	MD:320(1424) CD:292(1209)
Breaking Strength (after heat aging)	ASTM D3045	90%	90%	90%	90%
Elongation at Break	ASTM D751	15% MD&CD	20%	20%	20%
Elongation at Break (after heat aging)	ASTM D3045	90%	90%	90%	90%
Seam Strength (% of tensile or breaking strength)	ASTM D751	75%	75%	75%	75%
Tearing-Strength	ASTM D751	45lbf(200 N)	MD:70 lbf(311N) CD:50 lbf(223N)	MD:75 lbf(334N) CD:60 lbf(267N)	MD:90 lbf(400N) CD:65 lbf(289N)
Low Temp. Bend	ASTM D2136	No cracks 5x at -40°C	Pass	Pass	Pass
Dimensional Stability	ASTM D1204	<0.5%	<0.3%	<0.3%	<0.5%
Weight Change after Immersion in Water	ASTM D570	±3%	2%	2%	2%
Static Puncture Resistance	ASTM D5602	Pass	Pass	Pass	Pass
Dynamic Puncture Resistance	ASTM D5635	Pass	Pass	Pass	Pass
Accelerated Weathering, min	5,000 hrs				
Cracking (@7x magnification)	ASTM G154	No Cracks	Pass @ >5,000 hrs	Pass @ >5,000 hrs	Pass @ >5,000 hrs
Discoloration (by observation)	ASTM G154	Negligible	Negligible	Negligible	Negligible
Crazing (@ 7x magnification)	ASTM G154	No Crazing	Pass @ >5,000 hrs	Pass @ >5,000 hrs	Pass @ >5,000 hrs

*MD = Machine Direction, CD = Cross Machine Direction

*Values stated are approximate and subject to normal manufacturing variation. These values are not guaranteed and are provided solely as a guide.