Technical Data

PROTAN SE PVC

Premium PVC single-ply membrane with slip-resistant* surface for ultimate safety

Product Description

Triton's Protan SE PVC is a high quality, polyester reinforced thermoplastic polyvinyl chloride (PVC) waterproofing membrane. In addition to high tensile and tear strength, Protan PVC is UV-resistant, FM-Approved, self-extinguishing, and extremely resistant to high and low temperatures. The single-ply membrane has a unique surface that drastically increases wet and dry friction, resulting in increased roof-top slip-resistance* and enhanced safety after installation. Triton's PVC membrane has a documented 50-year track record on over 1 billion sf in the harshest environments.

Product Uses & Application

Protan SE PVC is used on exposed roof surfaces and can be mechanically-attached, fully-adhered, induction-welded, or used in a wind-vented vacuum roof system on new construction or roof replacement projects. Triton's PVC membrane is chosen by clients who desire enhanced roof-top safety and who desire to reduce the likelihood of occupational hazards.

Triton's Protan SE PVC membrane is hot air welded together to create a homogeneous membrane in the field. The installation is safe and does not require the use of open flames or hazardous materials. Prefabricated sheets with hidden seams are available. Installations must be carried out by a trained, active Triton Certified Contractor and installed according to Triton's most up-to-date technical manuals, specifications, and guidelines.

Health, Environment, & Safety

Triton's Protan PVC contains no environmental pollutants or other substances in quantities considered to be hazardous to health and environment. The product does not harm the environment when used as specified. It is recyclable at the end of its life. **Not guaranteed to prevent slips or falls. The term slip-resistant is used because the membrane has been tested with a higher Coefficient of Friction than traditional membranes*

Storage

Protan SE PVC should be kept dry with rolls placed on pallets and protected at the building site with tarps or similar.

DIMENSIONS & PACKAGING	
Roll Widths	3.5 ft. or 7 ft.
Roll Length	65.5 ft. (60 mil) or 50 ft. (72 mil)

PHYSICAL PROPERTIES	TEST METHOD	TYPICAL VALUE
Colors	-	White, Light Gray, or Dark Gray available
Membrane Thickness	ASTM D-751	60 or 72 mils (1.5 or 1.8 mm)
Tensile Strength	ASTM D-751	247 lbf (1100 N)
Elongation	ASTM D-751	> 250%
Tear Strength (Trapezoidal)	ASTM D-1004	47 lbf (210 N)
Dimensional Stability	ASTM D-1204	-0.1%
Low Temp Bend	ASTM D-2136	Pass @ -40°C
Water Absorption	ASTM D-570	< 2.8%
Resistance to Static Load	ASTM D-5602	44 lbf (20 Kg)
Impact Resistance	EN 1269(A)	800 mm
Seam Strength	EN 12316	34 lbf (150 N)
Lap Joint Strength	ASTM D-751	106% of original
UV exposure 5,000 hrs.	ASTM G-154	Excellent, no cracking or crazing
Heat Aging	ASTM D-3045	Pass
Fire Resistance	FM 4470	Class A
Hail Resistance	FM 4470	Severe Hail (SH)
Wet Dynamic Coefficient of Friction (New)	ISO 8295	0.80
Wet Dynamic Coefficient of Friction (Aged)	ISO 8295	0.90

FM APPROVED

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