

SENTINEL® G150

Fiberglass Reinforced, 60 mil, Bare-Backed PVC Detail Membrane

DESCRIPTION

SENTINEL G150 is a bare-backed, thermoplastic polyvinyl chloride (PVC) membrane designed to be used as a flashing membrane. SENTINEL G150 is reinforced with a tough fiberglass mat that is encapsulated on both sides with a proprietary thermoplastic PVC formulation. SENTINEL G150 is available in a variety of colors, including white, gray and tan.

ADVANTAGES

- ▶ Formulated utilizing only the highest quality polymers and plasticizers to produce consistent and reliable welds in a variety of ambient temperatures
- ▶ Detail membrane is intended to be used for flashing pipes, inside and outside corners and other unusual shaped penetrations
- ▶ Reinforced with a glass fiber mat that increases the membrane's strength and durability
- ▶ Excellent resistance to inorganic chemicals and bacterial growth
- ▶ Meets or exceeds requirements of ASTM D4434, Type II

APPLICATION

SENTINEL G150 is applied to approved substrates using SENTINEL H2O or SENTINEL S Bonding Adhesives. Prior to installation, unroll SENTINEL G150 onto the roof surface and allow to relax. Place SENTINEL G150 in desired position and back roll the product. Apply approved adhesive according to published specifications. Please refer to the specific product data sheet for application guidelines. All laps must be heat-welded to ensure a water tight seal.

Refer to Performance Roof Systems' published technical literature for additional details and application requirements.



STORAGE & HANDLING

Store rolls in a clean, dry location and cover as necessary to protect from environmental damage such as extreme cold, heat or moisture.

PRODUCT NUMBERS

- P300-D - 2.5 x 100 ft (0.8 x 30.5 m) - Roll (White)
- P300-D-T* - 2.5 x 100 ft (0.8 x 30.5 m) - Roll (Tan)
- P300-D-G - 2.5 x 100 ft (0.8 x 30.5 m) - Roll (Gray)

* P300-D-T is only available by special order. Contact customer services for lead times and product availability.

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SHEET PROPERTIES

PROPERTY	VALUE
Technology	Thermoplastic polyvinyl chloride (PVC)
ASTM standard	ASTM D4434, Type II
Reinforcement	Glass fiber
Back surfacing	Bare-backed

DIMENSIONS & MASS

PROPERTY	VALUE	TEST METHOD
Length, ft (m)	100 (30.5)	D4434
Width, ft (m)	2.5 (0.8)	D4434
Coverage, * ft² (m²)	250 (23.2)	D4434
Roll weight, lb (kg)	92 (41.7)	D4434
Rolls per pallet	20	D4434
Pallet weight, lb (kg)	1,890 (857)	D4434
Thickness, mils (mm)	60 (1.5)	D4434
Thickness over scrim, mils (mm)	30 (0.8)	D4434
Net mass per unit area, lb/100 ft² (g/m²)	37 (1,798)	D4434

* All values shown are nominal and subject to normal manufacturing tolerances.

** Coverage rate as reported assumes installation using side and end lap recommendations.

TECHNICAL CHARACTERISTICS*

PROPERTY	MD	XMD	TEST METHOD
Breaking Strength; lbf/in	100 (18)	90 (16)	ASTM D751
Breaking strength, psi (kN/m²)	1,667 (11,494)	1,500 (10,342)	ASTM D751
Elongation at Break; %	260	260	ASTM D751
Seam Strength; min. 75% of breaking strength	Pass	Pass	ASTM D751
Tearing Strength; lbf	17 (75.6)	17 (75.6)	ASTM D751
Trapezoidal Tear; lbf	135 (601)	90 (400)	ASTM D751
Low Temperature bend @ -40°F	Pass	Pass	ASTM D2136
Linear Dimensional Change @ 176°F; %	< 0.04	< 0.04	ASTM D1204
Water Absorption; %	< 2	< 2	ASTM D570
Static Puncture Resistance @ ≥ 73°F; lbf (min. 15 kg)	Pass	Pass	ASTM D5602
Dynamic Puncture Resistance; 20 J minimum	Pass	Pass	ASTM D5635

* Data is represented by average values, unless noted otherwise.