

SENTINEL[®] PVC

SYNTHETIC ROOFING SYSTEMS

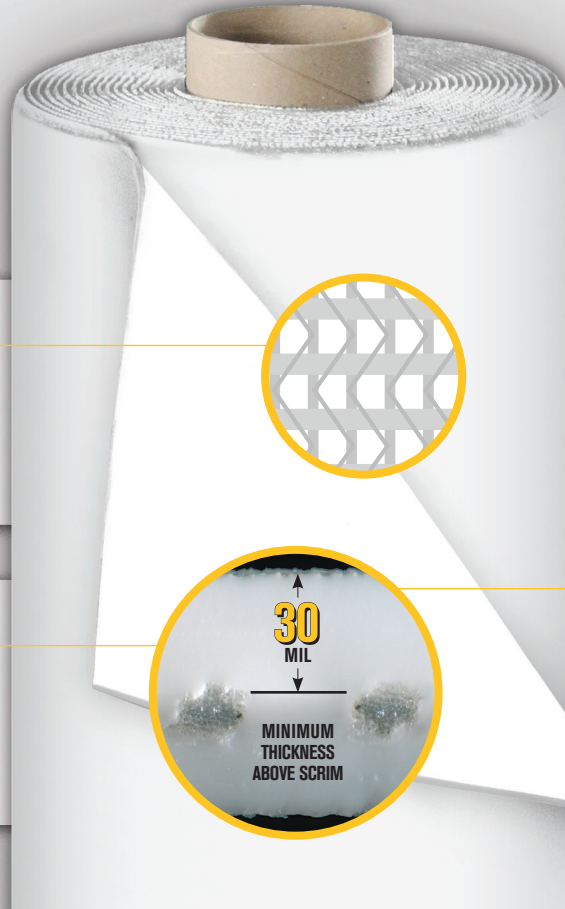
NOT ALL PVC
MEMBRANES
ARE CREATED
EQUAL

REINFORCEMENT

SENTINEL is reinforced with a high performance, anti-wicking, polyester reinforcement that provides superior breaking strength designed for unmatched, long-term performance.

SUPERIOR WELDABILITY

Formulated utilizing only the highest quality polymers and plasticizers, SENTINEL membranes produce consist reliable welds in a variety of ambient temperatures.



THICKNESS ABOVE SCRIM

While the overall thickness of a sheet is important, it's the mil thickness above scrim that provides the weathering resistance essential for a membrane's long-term performance. SENTINEL membranes are manufactured with a guaranteed 30 mil thickness above scrim for a 60 mil sheet (40 mil for a 80 mil sheet).

Cross section pictured to the left is of SENTINEL[®] P150 membrane.

EXCEEDING STANDARDS

SENTINEL[®] PVC membranes are manufactured to exceed ASTM D4434 standard specification for PVC (Polyvinyl Chloride) membrane roofing. See how SENTINEL outperforms in thickness and strength.

	ASTM D4434 Type II	ASTM D4434 Type III	SENTINEL [®] G150*	SENTINEL [®] P150*	Percent Increase
Thickness over Scrim; mil	16	16	30	30	53%
Breaking Strength; lbf/in	55	200	95	350	57%
Tear Strength; lbf	N/A	45	17	87.5	51%

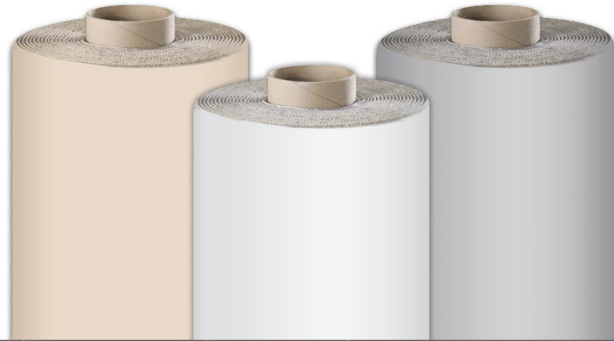
* As defined by ASTM D4434, SENTINEL[®] G membranes are classified as a Type II, while SENTINEL[®] P membranes fall under Type III classification.

ENERGY EFFICIENT, COOL ROOF SOLUTIONS

SENTINEL[®] PVC membranes meet ENERGY STAR[®], CRRCC (Cool Roof Rating Council) and LEED requirements.

	Solar Reflectance ASTM C1549		Thermal Emittance ASTM E1371		SRI ASTM E1980	
	INITIAL	3-YEAR	INITIAL	3-YEAR	INITIAL	3-YEAR
White	0.85	0.73	0.89	0.88	108	90
Gray	0.46	Pending	0.89	Pending	53	Pending
Tan	0.72	Pending	0.89	Pending	88	Pending

The SOPREMA® Group has been producing high-performance, PVC (polyvinyl chloride) membranes for over 50 years. SENTINEL® PVC is formulated with high flexibility and exceptional resistance to harsh environments. With decades proven performance, SENTINEL delivers long-term waterproofing solutions.



SENTINEL® PVC Membranes

PRODUCT	THICKNESS (mils)	WIDTH (inches)	LENGTH (feet)	REINFORCEMENT	BACKING	METHOD OF APPLICATION
P150	60	60, 120	100	Polyester	Bare	Mechanically Fastened or Fully Adhered
P200	80	60, 120	65	Polyester	Bare	Mechanically Fastened or Fully Adhered
G150	60	30, 120	100	Fiberglass	Bare	Fully Adhered
G200	80	30, 120	65	Fiberglass	Bare	Fully Adhered
P150 HFB	60	120	80	Polyester	Fleece	Mechanically Fastened or Fully Adhered
P200 HFB	80	120	65	Polyester	Fleece	Mechanically Fastened or Fully Adhered
SILVER ART P150	60	21, 63	65.5	Polyester	Bare	Mechanically Fastened or Fully Adhered
COPPER ART P150	60	21, 63	65.5	Polyester	Bare	Mechanically Fastened or Fully Adhered
COPPER ART P150 HFB	60	63	65.5	Polyester	Fleece	Mechanically Fastened or Fully Adhered
SILVER ART P150 HFB	60	63	65.5	Polyester	Fleece	Mechanically Fastened or Fully Adhered

SENTINEL® PVC Accessories

PRODUCT	DESCRIPTION/USE
Molded Corners	Injection molded, unreinforced flashings that are installed to flash 90-degree inside and outside corners
Prefabricated Corners	Prefabricated 60 mil fiberglass reinforced PVC membrane intended to flash 90-degree outside and inside corners
Universal Corner	Injection molded, unreinforced flashings that are used to flash a variety of irregular details or where standard corners may have been installed
T-Joint Patches	Made using 60 mil, reinforced SENTINEL® P150 membrane in 4.5-inch diameter circles
Pipe Flashing	Fiberglass reinforced PVC membrane split design to fit around protrusions up to 6 inches in diameter
Boot Flashing	Factory fabricated pipe flashing utilizing fiberglass reinforced PVC membrane; available in two sizes and fits either a 1"–6" or 6"–12" pipe
Profile Bar	Extruded, pliable PVC bars designed to provide PVC membrane with the appearance of a standing seam metal roof
Skirted Drip Edge	Drip edge designed with a factory-applied membrane and pre-punched fastening holes to provide both time and labor savings
Walkway Pad	Protects roof membranes from damage caused by necessary foot traffic or accidental tool drops
Universal Sealant	Solvent-free sealant that has excellent adhesive qualities and resilient elastomeric properties
Cut Edge Sealant	Polymeric sealant designed to seal non-factory, cut edges
H2O Bonding Adhesive	Water-based polymeric adhesive specially designed for adhering SENTINEL® PVC membranes
S Bonding Adhesive	Solvent-based contact adhesive specially designed for adhering bare-backed SENTINEL® PVC membranes
DUOTACK® SPF HFO	Low pressure, two-component spray polyurethane foam adhesive designed for use with SENTINEL® HFB membranes