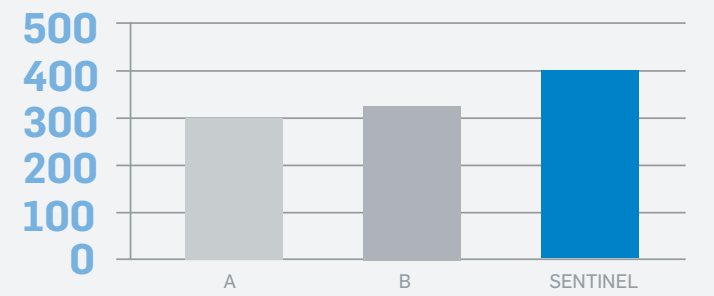


NOT ALL PVC MEMBRANES ARE CREATED EQUAL

BREAKING STRENGTH - 200 lbf/in, minimum per ASTM D4434



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

TEAR RESISTANCE - 45 lbf, minimum per ASTM D4434

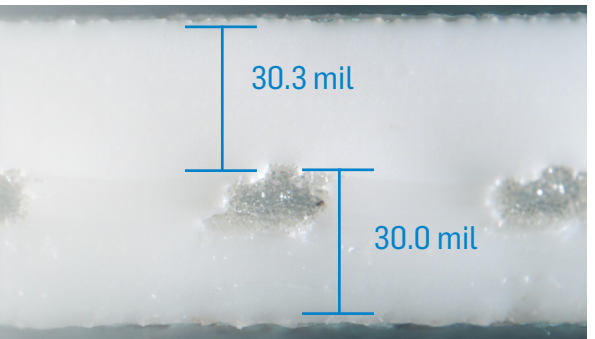


SENTINEL PVC's superior tear resistance makes it ideal for roofs designed for mechanical attachment, while also providing enhanced dimensional stability for adhered systems.

*Based on published data

OUTPERFORMING THE COMPETITION

SENTINEL PVC is manufactured with a minimum 60 mil thickness with a 30 mil minimum above the reinforcement to provide significantly more weathering compound than the competition. Both top and bottom layers utilize no recycled PVC to ensure long-term performance remains uncompromised.



HYBRID APPLICATIONS - DURABILITY & REFLECTIVITY

SENTINEL PVC can be combined with SBS-modified bitumen to build a redundant, highly durable hybrid membrane application. With the time tested durability of SBS-modified bitumen base layer, SENTINEL PVC can provide an effective solution to aesthetics, reflectivity, and chemical resistant surface membrane. For typical, and the most intricate detail and flashing work, ALSAN RS PMMA/PMA resins are compatible and are recommended for use with SENTINEL PVC.



INNOVATION SINCE 1908

SOPREMA has developed around the idea that the quality, durability and reliability of materials must match builders' ambitions and expectations. For more than 100 years, SOPREMA has been using its expertise to develop a variety of high-end products that meet or exceed all the requirements of the construction field.

ROOFING WATERPROOFING WALLS CIVIL ENGINEERING

- 
ROOFING & WATERPROOFING
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INSULATION
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VEGETATED SOLUTIONS
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RELATED PRODUCTS

SOPREMA is an international manufacturer specializing in the production of waterproofing and insulation products, as well as vegetative and soundproofing solutions, for the building and civil engineering sectors.

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SENTINEL® PVC MEMBRANES



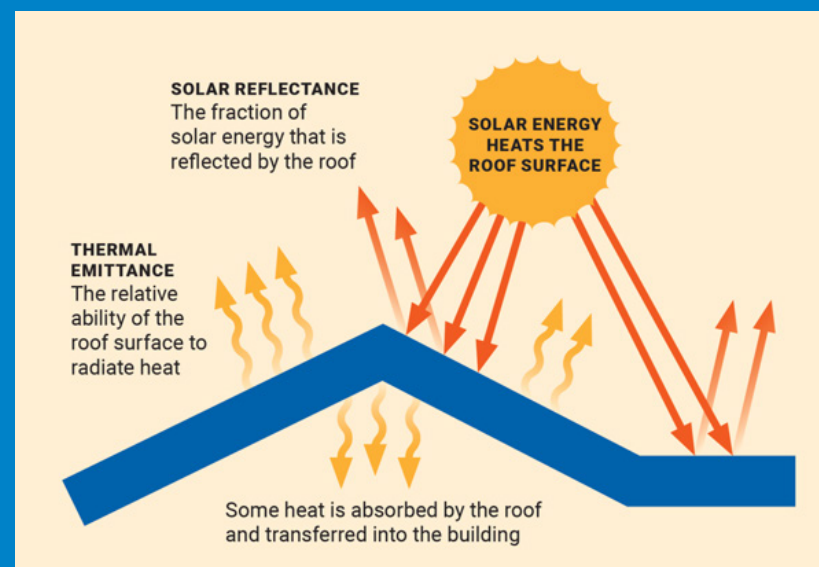


SENTINEL® PVC MEMBRANES

Time proven quality and decades of in-situ exposure to elements around the world; SOPREMA has been producing high-performance flexible PVC (polyvinyl chloride) membranes for roofing and waterproofing for over 50 years. SOPREMA's SENTINEL PVC line provides the proven fire and chemical resistance inherent with PVC membranes as well as superior weldability in a variety of ambient conditions. With high flexibility and conformability, SENTINEL PVC may be installed on the most complex geometries; both steep and low slope applications. With architectural appeal, long-term durability and ease of installation, SENTINEL PVC membranes provide the solution.

- Formulated with no recycled PVC on both the top and bottom layers resulting in longer life expectancy and superior welding at the most critical membrane junctures, i.e., the overlaps.
- Available in a variety of configurations including bare and fleece backed membranes, diagonally reinforced polyester and fiberglass in both 60 and 80 mil thicknesses, for use in mechanically fastened and adhered applications.
- Meets the requirements of ENERGY STAR®, CRRC, California Title 24 for bright white, reflective membranes – aiding in building cooling, reducing energy demand, and mitigating the urban heat island effect.
- Manufactured to provide minimum, not nominal, tolerances; minimum 60 mils total thickness and a minimum 30 mils above the reinforcement.

INNOVATION



DESIGN BENEFIT: REFLECTIVITY & SUSTAINABILITY

SENTINEL PVC membranes help roofs reflect sunlight while also cooling themselves by efficiently emitting any heat absorbed. The roofs literally stay cooler and reduce the amount of heat conducted into the building below. If a building does not have air conditioning, this keeps the building cooler and a more constant temperature. If a building has air conditioning, the equipment does not have to work as hard.

SUCCESS STORY

Fayetteville Area System of Transit
Fayetteville, North Carolina

In 2012, the city of Fayetteville, NC was awarded a FTA grant to construct a multimodal transit center in downtown. Construction began in 2015. The original design for the center was over budget. After researching many options, and based on their comfort level with the proven history and qualifications that met the Buy America Act (BAA), Baker and Gantt chose SENTINEL PVC for the project.



SENTINEL PVC MEMBRANE OFFERINGS

	PRODUCT	REINFORCEMENT	THICKNESS	APPLICATION
	SENTINEL PVC P150	Polyester	60 mils (1.5 mm)	Mechanically Fastened, Fully Adhered
	SENTINEL PVC P200	Polyester	80 mils (2.0 mm)	Mechanically Fastened, Fully Adhered

	PRODUCT	REINFORCEMENT	THICKNESS	APPLICATION
	SENTINEL PVC P150 HFB	Polyester	60 mils (1.5 mm)	Mechanically Fastened, Fully Adhered
	SENTINEL PVC P200 HFB	Polyester	80 mils (2.0 mm)	Mechanically Fastened, Fully Adhered

SENTINEL PVC COMPLIMENTARY PRODUCTS

ACCESSORIES

- SENTINEL Walkway Pad – An extruded PVC roll that protects roof membranes from damage from foot traffic
- SENTINEL PVC Pre-Fabricated Inside Corners – Polyester-reinforced 60 mil flashings for 90-degree corners
- SENTINEL PVC Pre-Fabricated Outside Corners – Polyester-reinforced 60 mil flashings for 90-degree corners
- SENTINEL PVC T-Joint Patches – 4.5-inch diameter circles of 60 mil reinforced P150 membrane
- SENTINEL PVC VCM – A 24 gauge (0.6 mm) galvanized metal sheet with a 20 mil SENTINEL KEE membrane laminated to one side
- SENTINEL PVC Boot Flashing – A factory-fabricated pipe flashing using polyester-reinforced membrane

ADHESIVES

- SENTINEL S Bonding Adhesive – Solvent-based adhesive for bare-backed SENTINEL membranes
- SENTINEL Spray Adhesive – Solvent-based contact adhesive for bare-backed SENTINEL membranes
- SENTINEL Universal Sealant – Moisture-cured, polyether, elastomeric sealant for use in approved SENTINEL PVC membrane and flashing assemblies
- DUOTACK SPF Adhesive – A low-pressure, two-component spray polyurethane foam adhesive formulated for adhering SENTINEL HFB (Heavy Fleece-Backed) membranes
- DUOTACK SPF HFO Adhesive – A low pressure, two-component spray polyurethane foam adhesive formulated for adhering SENTINEL HFB (Heavy Fleece-Backed) membranes, insulation and coverboard

TESTING & APPROVALS

