



WATERPROOFING

ROOFING

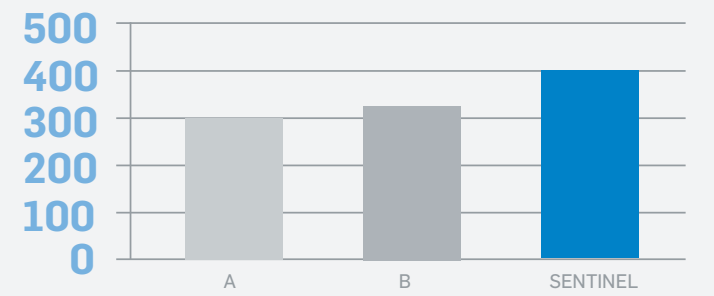
# SENTINEL<sup>®</sup>

## PVC MEMBRANES



### NOT ALL PVC MEMBRANES ARE CREATED EQUAL

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



SENTINEL 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

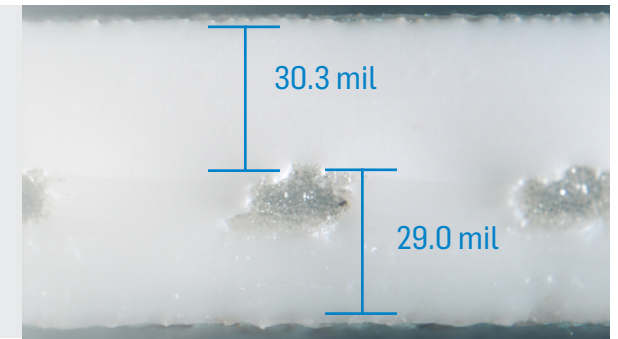


SENTINEL's superior tear resistance makes it ideal for roofs designed for mechanical attachment, while also providing enhanced dimensional stability for adhered systems.

\*Based on published data

### OUTPERFORMING THE COMPETITION

SENTINEL 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

- WATERPROOFING
- INSULATION
- VEGETATED SOLUTIONS
- SOUNDPROOFING
- RELATED PRODUCTS

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

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## 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 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®, CRRG, 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 AESTHETIC: INNOVATIVE COLOR FORMULATIONS

Our PVC membranes are offered in a variety of colors including our Copper Art® and Silver Art® variations where metallic powders are incorporated in the formula, replicating the appearance of standing seam metal roofs for sophisticated designs. SOPREMA's Copper Art has incorporated copper metal powder into the membrane to allow the material to oxidize and patina finish just as standing seam copper does.

### 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 for the project.



### VARIETY & VERSATILITY - SENTINEL PVC MEMBRANE OFFERING

	PRODUCT	REINFORCEMENT	THICKNESS	APPLICATION
	SENTINEL P150	Polyester	60 mils (1.5 mm)	Mechanically Fastened, Fully Adhered
	SENTINEL G150	Fiberglass	60 mils (1.5 mm)	Fully Adhered
	SENTINEL P200	Polyester	80 mils (2.0 mm)	Mechanically Fastened, Fully Adhered
	SENTINEL G200	Fiberglass	80 mils (2.0 mm)	Fully Adhered

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

	PRODUCT	REINFORCEMENT	THICKNESS	APPLICATION
	SENTINEL Copper Art P150	Polyester	60 mils (1.5 mm)	Mechanically Fastened, Fully Adhered
	SENTINEL Copper Art P150 HFB	Polyester	60 mils (1.5 mm)	Mechanically Fastened, Fully Adhered

	PRODUCT	REINFORCEMENT	THICKNESS	APPLICATION
	SENTINEL Silver Art P150	Polyester	60 mils (1.5 mm)	Mechanically Fastened, Fully Adhered
	SENTINEL Silver Art P150 HFB	Polyester	60 mils (1.5 mm)	Mechanically Fastened, Fully Adhered

### TESTING & APPROVALS



FLORIDA BUILDING CODE