

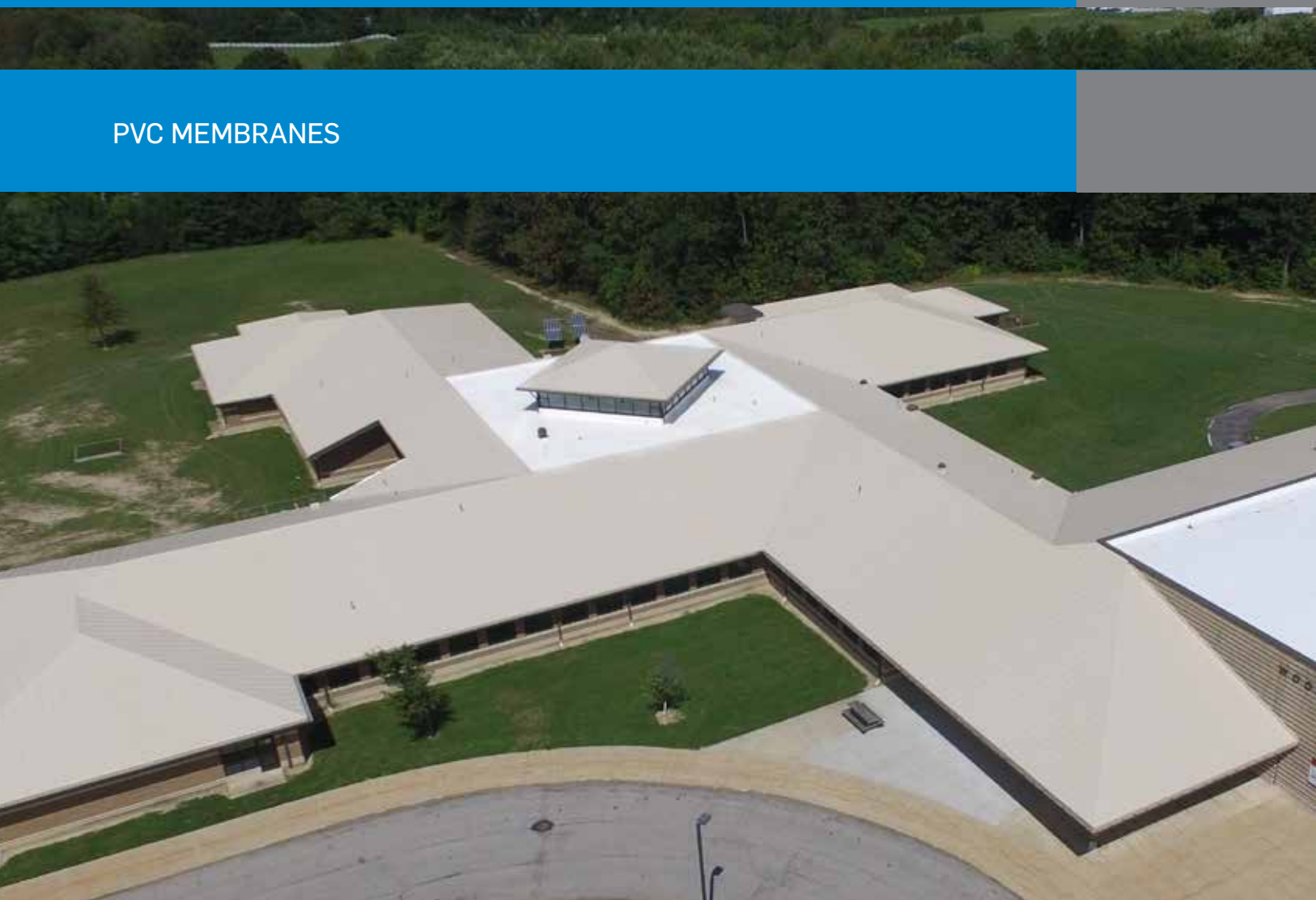


WATERPROOFING

SENTINEL[®]

ROOFS

PVC MEMBRANES





SENTINEL[®]

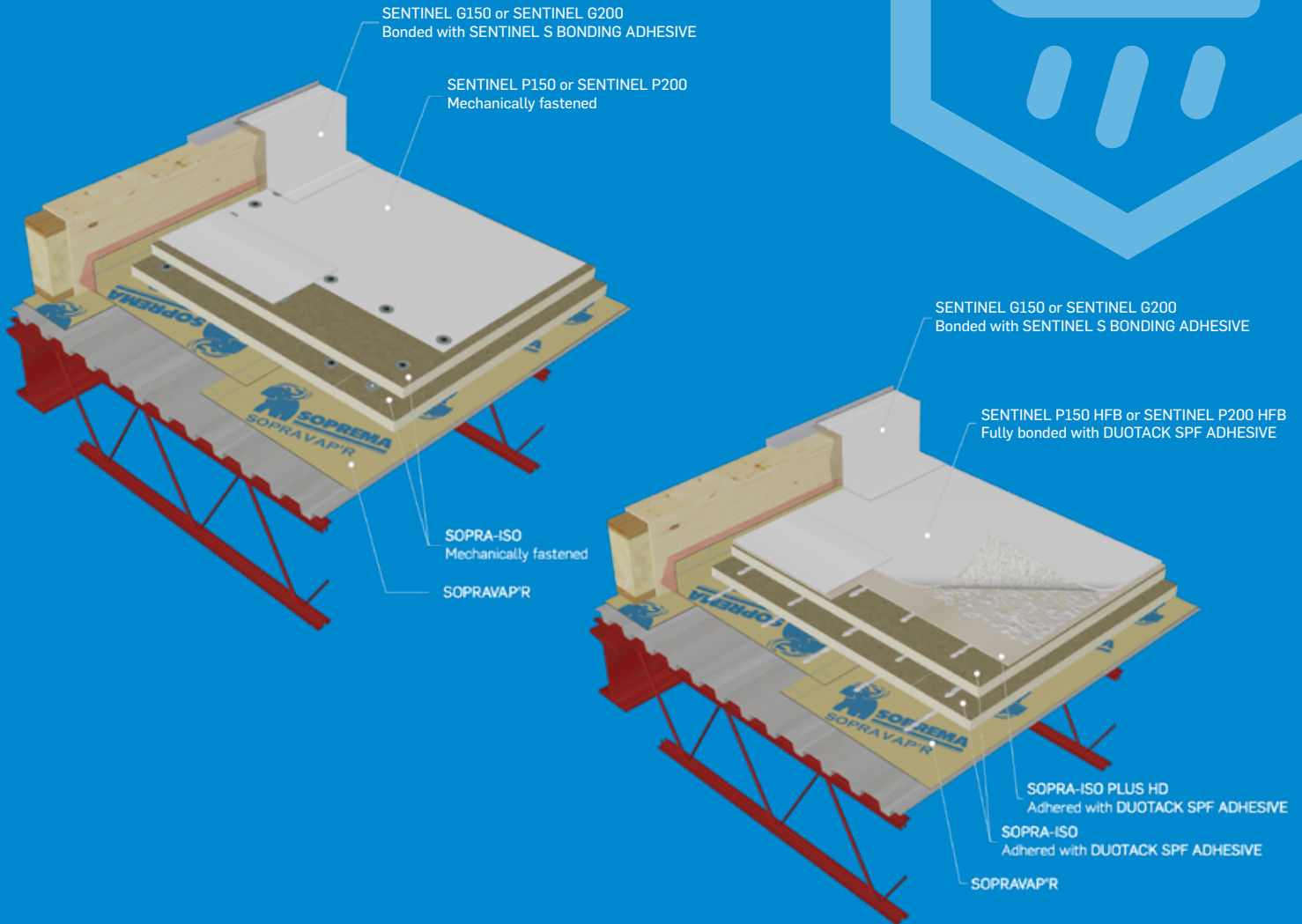
PVC MEMBRANES

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 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 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 CRRC 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.



MULTIPLE APPLICATIONS



SUCCESS STORY

Health Sciences North Sudbury, Ontario

Part of the roof of a hospital in Sudbury, built in the 1990s, has needed updating for years. After some research, the architect firm mandated for the project specified SOPREMA's SENTINEL PVC membranes to get the job done. The long-term durability of the product, the peace of mind provided by the system's competitive warranty, and SOPREMA high-quality service convinced the stakeholders of the project to choose SENTINEL membranes.



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DUOTACK SPF ADHESIVE



DUOTACK SPF Adhesive is a low pressure, two-component spray polyurethane foam adhesive for adhering SENTINEL HFB PVC membranes.

VARIETY & VERSATILITY - SENTINEL PVC MEMBRANE OFFERING

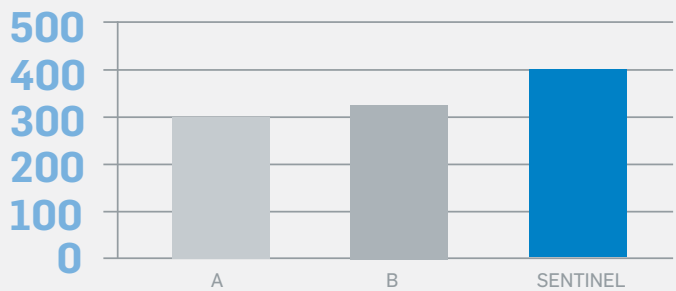
	PRODUCT	REINFORCEMENT	THICKNESS	APPLICATION
	SENTINEL P150	Polyester	60 mils (1.5 mm)	Mechanically Fastened, Fully Adhered
	SENTINEL G150	Fiberglass	60 mils (1.5 mm)	Fully Adhered
	SENTINEL P200	Polyester	80 mils (2.0 mm)	Mechanically Fastened, Fully Adhered
	SENTINEL G200	Fiberglass	80 mils (2.0 mm)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

	PRODUCT	REINFORCEMENT	THICKNESS	APPLICATION
	SENTINEL P150 HFB	Polyester	60 mils (1.5 mm)	Mechanically Fastened, Fully Adhered
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TESTING & APPROVALS

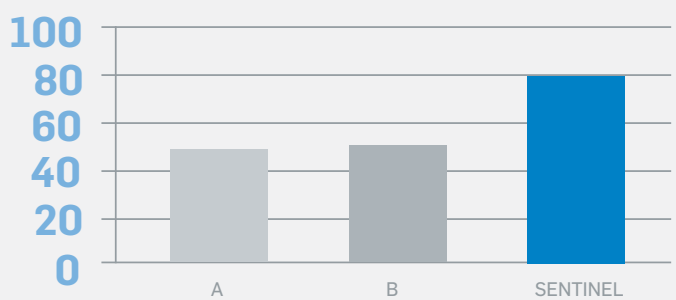
NOT ALL PVC MEMBRANES ARE CREATED EQUAL

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



SENTINEL P 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



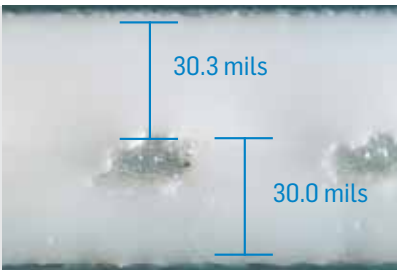
SENTINEL P's superior tear resistance makes it ideal for roofs designed for mechanical attachment, while also providing enhanced dimensional stability for adhered systems.

*Based on published data

THE SENTINEL DIFFERENCE

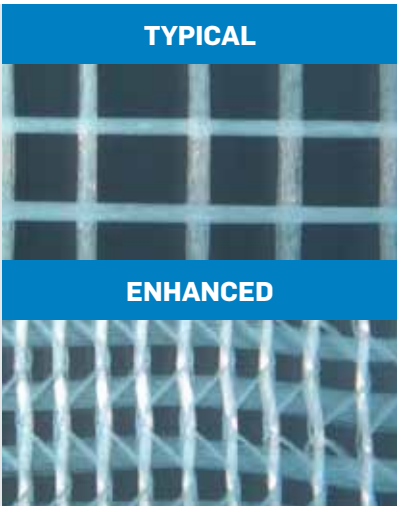
UNPARALLELED DURABILITY

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.



STRONG PERFORMANCE

The enhanced thread density and high tensile strength provided by the polyester yarn offers superior puncture resistance, while the weft-inserted tie yard prevents runs and doesn't allow tears to spread. Fiberglass yarn alternatives found in competing products have lower tensile strength properties, allowing for easier breaks and tears throughout the membrane. Additionally, the antiwicking polyester thread prevents moisture from penetrating yarn fibers, improves welding conditions and eliminates the need for edge sealant, enhancing the performance and watertight integrity of a SENTINEL P roofing system from the inside.



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.

ROOFS WALLS FOUNDATIONS PARKING DECKS BRIDGES ADDITIONAL EXPERTISE



WATERPROOFING



INSULATION



VEGETATIVE
SOLUTIONS



SOUNDPROOFING



COMPLEMENTARY
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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