

SENTINEL P150 HFB

TECHNICAL DATA SHEET 220506SCANE

(supersedes 220401SCANE)



WATERPROOFING

APPLICATIONS

ROOFS

DESCRIPTION

SENTINEL P150 HFB is a membrane composed of thermoplastic polyvinyl chloride (PVC) and a polyester reinforcement laminated to a needle-punched polypropylene fleece. SENTINEL P150 HFB is installed on single-ply roofing systems. It is available in white and grey.

INSTALLATION

ADHESIVE

SENTINEL P150 HFB is fully bonded with the sprayable DUOTACK SPF ADHESIVE, making sure to leave 38 mm (1.5 in) without adhesive along every side lap so they can be properly sealed using a hot air welder. The use of an automatic hot air welder will increase the speed and quality of the seal⁽¹⁾.

Align end laps without overlapping and cover them with a 150 mm (6 in) bare-back cover strip.

PRECAUTION

Do not install SENTINEL P150 HFB where the fleece is wet/damp from improper storage.

SENTINEL P150 HFB membranes are incompatible with all asphalt-based products, coal tar pitch, as well as uncoated extruded and expanded polystyrene.

FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONSULT YOUR SOPREMA REPRESENTATIVE.

SOLAR RATING as per Cool Roof Rating Council (CRRC)

MEMBRANE COLOUR	SOLAR REFLECTANCE		THERMAL EMITTANCE		SRI	
	Initial	3 years	Initial	3 years	Initial	3 years
White	0.87	0.67	0.89	0.89	110	81
Grey	0.46	0.38	0.89	0.89	53	42

(All values are nominal)

PACKAGING

Specifications	SENTINEL P150 HFB
Thickness	1.5 mm (60 mils)
Reinforcement	Polyester
Underface	Needle-punched polypropylene fleece
Available width	3 m (10 ft)
Length	24.4 m (80 ft)
Coverage	74.3 m ² (800 ft ²)
Weight	1.8 kg/m ² (0.4 lb/ft ²)
Qty/pal	10

(All values are nominal)

NOTE (1) : The automatic hot-air welder must be dedicated to PVC only and must not have been used for asphalt-based membranes.



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NOTE: All products manufactured by SOPREMA, Inc. comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.

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PROPERTIES

Properties	Standards	SENTINEL P150 HFB
Thickness over scrim	ASTM D4434	0.76 mm (30 mils)
Breaking strength, MD/XD	ASTM D751	83/57 kN/m (475/325 lbf/in)
Elongation at break	ASTM D751	30%
Seam strength (min. 75% of breaking strength)	ASTM D751	Pass
Tearing strength, MD/XD	ASTM D751 (Procedure B)	645/378 N (145/85 lbf)
Trapezoidal tearing strength, MD/XD	ASTM D751	172/578 N (160/130 lbf)
Low temperature bend at -40 °C (-40 °F)	ASTM D2136	Pass
Linear dimensional change	ASTM D1204	< 0.1%
Change in weight after immersion in water	ASTM D570	< 3
Static puncture resistance at ≥ 15 kg (33 lbf) min.	ASTM D5602	Pass
Dynamic puncture resistance at 10 J (min.)	ASTM D5635	Pass

(All values are nominal)

STORAGE AND HANDLING

SENTINEL P150 HFB rolls must be stored lengthwise on a pallet in a clean and dry location, covered with tarps.



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