

SENTINEL P150 HFB

TECHNICAL DATA SHEET 200512SCANE

(supersedes 190621SCANE)



WATERPROOFING

APPLICATIONS

ROOFS

DESCRIPTION

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

INSTALLATION

ADHESIVE

SENTINEL P150 HFB is fully adhered with the sprayable DUOTACK SPF ADHESIVE making sure to leave 38 mm (1.5 in) without adhesive along every side and end-lap so they can be properly sealed using a hot air welder.

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 year	Initial	3 year	Initial	3 year
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 mil)
Reinforcement	Non-woven 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	137.4 kg (303 lb)
Qty/pal	10

(All values are nominal)



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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.

TDS_SENTINEL_P150_HFB.indd

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PROPERTIES

Properties	Standards	SENTINEL P150 HFB
Thickness over scrim	ASTM D4434	0.76 mm (30 mil)
Breaking strength, MD/XD	ASTM D751	88/66 kN/m (500/375 lbf/in)
Elongation at break	ASTM D751	30 %
Seam strength (min 75% of breaking strength)	ASTM D751	Pass
Tearing strength, MD/XD	ASTM D751	667/444 N (150/100 lbf)
Low temperature bend, @ -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, @ ≥ 15 kg (33 lbf) min	ASTM D5602	Pass
Dynamic puncture resistance, @ 10 J min	ASTM D5635	Pass

(All values are nominal)

STORAGE AND HANDLING

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



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