

# SENTINEL G150

TECHNICAL DATA SHEET 220121SCANE

(supersedes 210722SCANE)



WATERPROOFING

APPLICATIONS

ROOFS

## DESCRIPTION

SENTINEL G150 is a membrane composed of thermoplastic polyvinyl chloride (PVC) and a fibreglass reinforcement. SENTINEL G150 is installed on single-ply roofing systems. It is available in white and grey.

## INSTALLATION

### ADHESIVE

SENTINEL G150 is fully bonded with SENTINEL S BONDING 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. The use of an automatic hot air welder will increase the speed and quality of the seal<sup>(1)</sup>.

## PRECAUTION

SENTINEL G150 PVC 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	0.85	0.73	0.89	0.88	108	90
Grey	0.46	0.38	0.89	0.89	53	42

(All values are nominal)

## PACKAGING

Specifications	SENTINEL G150	
Thickness	1.5 mm (60 mils)	
Reinforcement	Fibreglass	
Underface	Bare-backed	
Available width	0.76 m (2.5 ft)	3 m (10 ft)
Length	30.5 m (100 ft)	
Coverage	23.2 m <sup>2</sup> (250 ft <sup>2</sup> )	92.9 m <sup>2</sup> (1,000 ft <sup>2</sup> )
Weight	1.8 kg/m <sup>2</sup> (0.4 lb/ft <sup>2</sup> )	
Qty/pal	20	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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## PROPERTIES

Properties	Standards	SENTINEL G150
Breaking strength, MD/XD	ASTM D751	18/16 kN/m (100/90 lbf/in) 11,494/10,342 kN/m <sup>2</sup> (1,667/1,500 psi)
Elongation at break	ASTM D751	260%
Seam strength (min. 75% of breaking strength)	ASTM D751	Pass
Tearing strength, MD/XD	ASTM D751	75.6/75.6 N (17/17 lbf)
Low temperature bend at -40 °C (-40 °F)	ASTM D2136	Pass
Linear dimensional change	ASTM D1204	< 0.04%
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 G150 rolls must be stored lengthwise on a pallet in a clean and dry location, covered with tarps.



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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.