

# SENTINEL G150



WATERPROOFING

APPLICATIONS

ROOFS

TECHNICAL DATA SHEET 200512SCANE

(supersedes 190621SCANE)

## DESCRIPTION

SENTINEL G150 is a membrane composed of thermoplastic polyvinyl chloride (PVC) and a fiberglass reinforcement. SENTINEL G150 is installed on singleply roofing systems. The colours availability of SENTINEL G150 vary depending on the dimensions of the membrane (see packaging chart below).

## INSTALLATION

### ADHESIVE

SENTINEL G150 is fully adhered 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.

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	0.85	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 mil)	
Reinforcement	Glass fiber	
Underface	Bare-backed	
Available width	0.76 m (2.5 ft) <sup>1</sup>	3 m (10 ft) <sup>2</sup>
Length	30.5 m (100 ft)	
Coverage	23.2 m <sup>2</sup> (250 ft <sup>2</sup> )	92.9 m <sup>2</sup> (1000 ft <sup>2</sup> )
Weight	41.7 kg (92 lb)	166.9 kg (368 lb)
Qty/pal	20	10

1- Available in white and grey.

2- Available in white.

(All values are nominal)



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TDS\_SENTINEL\_G150.indd

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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, @ -40°C (-40°F)	ASTM D2136	Pass
Linear dimensional change	ASTM D1204	< 0.04 %
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 G150 rolls must be stored lengthwise on 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.

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