

PRODUCT DATA SHEET

DESCRIPTION & FEATURES

SENTINEL G200 is a high performance, fiberglass reinforced, thermoplastic polyvinyl chloride (PVC) roof membrane, specially designed to provide unmatched flexibility and long-term performance. SENTINEL membranes provide the proven fire and chemical resistance of PVC along with the superior weldability, making it easy to conform to complex geometries. SENTINEL G200 is available in an ENERGY STAR® approved white as well as a variety of colors, including gray and tan.

STORAGE

Store rolls in a clean, dry location and cover as necessary to protect rolls from environmental damage such as extreme cold, heat, or moisture. Monitor varying environmental conditions during storage, handling and application of SENTINEL G200.

APPLICATION

SENTINEL G200 can be installed with SENTINEL H2O or SENTINEL S Bonding adhesives. Please refer to the specific adhesive data sheet for application guidelines. SENTINEL G200 cannot be used with mechanically attached systems. All laps must be heat welded to ensure a water tight seal.

APPLICATION



FULLY ADHERED

COOL ROOF RATING

PRODUCT	SOLAR REFLECTANCE		THERMAL EMITTANCE		SRI	
	0.85 initial	0.73 3 year	0.89 initial	0.88 year	108 initial	90 3 year
SENTINEL G200	0.85 initial	0.73 3 year	0.89 initial	0.88 year	108 initial	90 3 year

QUICK FACTS

ROLL WIDTH (ft)	ROLL LENGTH (ft)	COVERAGE (ft ²)	THICKNESS (mils)	ROLL WEIGHT (lb)	ROLLS/PALLET (pallet weight)
10 (3.0 m)	65 (19.8 m)	650 (60.4 m ²)	80 (2.0 mm)	318 (144 kg)	10 (3,330 lb/ 1,510 kg)
2.5 (0.76 m)	65 (19.8 m)	162 (15.0 m ²)	80 (2.0 mm)	80 (36.2 kg)	20 (1,650 lb/ 748 kg)



TECHNICAL INFORMATION & TESTING

SHEET PROPERTIES

Reinforcement	Glass fiber
Back surfacing	Bare-backed

DIMENSIONS & MASS

PROPERTY		TEST METHOD
Thickness, mils (mm)	80 (2.0)	ASTM D4434
Net mass per unit area, lb/100ft ² (g/m ²)	49 (2,390)	ASTM D4434

PHYSICAL PROPERTIES

PROPERTY	MD	XMD	TEST METHOD
Breaking strength, lbf/in (kN/m)	100 (18)	90 (16)	ASTM D751
Elongation at break, %	260	260	ASTM D751
Seam strength (min 75% of breaking strength)	Pass	Pass	ASTM D751
Tear resistance, lbf	17	17	ASTM D751
Low temperature bend, @ -40°F (-40°C)	Pass	Pass	ASTM D2136
Linear dimensional change, %	< .04	< .04	ASTM D1204
Static puncture resistance, @ ≥ 33 lbf (15 kg) min	Pass	Pass	ASTM D5602
Dynamic puncture resistance, @ 10 J min	Pass	Pass	ASTM D5635

* Data is represented by average values, unless noted otherwise.

TESTING & APPROVALS

