



PARADIENE® 20 PR TG

Commercial Product Data Sheet

Paradiene 20 PR TG is the modified bitumen base ply designed for gravel-surfaced, homogeneous multi-layer modified bitumen roof membrane systems. Paradiene 20 PR consists of a fiberglass scrim reinforced/polyester mat composite impregnated and coated with high quality styrene-butadiene-styrene (SBS) modified bitumen. The back of the sheet is coated with a modified bitumen asphalt layer specifically formulated for torch application, is embossed with a grooved pattern, and is surfaced with a polyolefin burn-off film.

Contact Siplast for information on approved product uses.

USES: BASE PLY

PRODUCT INFORMATION

Standards	ASTM D6162 Type I, Grade S; ASTM D6164 Type I, Grade S; CSA A123.23-15 Type C, Grade 1
Roll Length	Min: 33.5 ft (10.21 m)
Roll Width	Avg: 3.28 ft (1.00 m)
Coverage	1.0 Square (9.3 m ²)
Coverage Weight Per Square	Min: 96 lb (4.7 kg/m ²)
Laying Lines	3 in (76 mm) & 4 in (102 mm) Line Color: Yellow
Top Surfacing	Silica Parting Agent
Back Surfacing	Polyolefin Burn-off Film
Product Options	RoofTag

Application

Refer to the Siplast Technical Guide for detailed application information and slope limitations. Paradiene 20 PR TG is lapped 3 inches (76 mm) side and end.



Storage and Handling

All Siplast roll roofing products should be stored on end on a clean, flat surface. Rolls should not be dropped on ends or edges or stored in a leaning position. Deformation resulting from these actions will make proper installation difficult. All roofing products should be stored in a dry place out of direct exposure to the elements and should not be double stacked. Material should be handled so that it remains dry prior to and during installation.

See product packaging and the Safety Data Sheet for specific information on the safe handling of this product.

Packaging

Pallet: 41 in x 48 in (104 cm x 122 cm) wooden pallet
Rolls Per Pallet: 23
Pallets Per Truckload: 18
Minimum Roll Weight: 96 lb (43.5 kg)

Listings, Approvals, & Certifications



Current copies of all Siplast Commercial Product Data Sheets & Safety Data Sheets are posted on our website at www.siplast.com
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U.S. TEST STANDARDS

Property (as Manufactured)	Values / Units	Test Method
Thickness (minimum)	134 mils (3.4 mm)	ASTM D5147 Section 6
Thickness (average)	138 mils (3.5 mm)	ASTM D5147 Section 6
*Peak Load @ 73.4°F (23°C) (average)	80 lbf/inch (14 kN/m)	ASTM D5147 Section 7
*Peak Load @ 0°F (-18°C) (average)	115 lbf/inch (20.1 kN/m)	ASTM D5147 Section 7
*Elongation @ Peak Load 73.4°F (23°C) (average)	60%	ASTM D5147 Section 7
*Elongation @ Peak Load 0°F (-18°C) (average)	40%	ASTM D5147 Section 7
*Ultimate Elongation @ 73.4°F (23°C) (average)	100%	ASTM D5147 Section 7
*Tear Strength (average)	100 lbf (0.45 kN)	ASTM D5147 Section 8
Water Absorption (maximum)	1%	ASTM D5147 Section 10
Dimensional Stability (maximum)	0.5%	ASTM D5147 Section 11
Low Temperature Flexibility (maximum)	-15°F (-26°C)	ASTM D5147 Section 12
Compound Stability (minimum)	250°F (121°C)	ASTM D5147 Section 16
Cyclic Fatigue	Paradiene 20 PR TG bonded to an acceptable Paradiene 30, Paradiene 40 FR, or Parafor 50 LT cap sheet, with an approved method of attachment, passes ASTM D5849 both as manufactured and after heat conditioning according to ASTM D5147.	

*The value reported is the lower of either MD or XD.

CANADA TEST STANDARDS

Property (as Manufactured)	Values / Units	Test Method
Thickness (minimum)	3.4 mm (134 mils)	CSA A123.23-15
Thickness (average)	3.5 mm (138 mils)	CSA A123.23-15
*Peak Load @ 23°C (73.4°F) (average)	14 kN/m (80 lbf/inch)	CSA A123.23-15
*Peak Load @ -18°C (0°F) (average)	20.1 kN/m (115 lbf/inch)	CSA A123.23-15
*Elongation @ Peak Load 23°C (73.4°F) (average)	60%	CSA A123.23-15
*Elongation @ Peak Load -18°C (0°F) (average)	40%	CSA A123.23-15
*Ultimate Elongation @ 23°C (73.4°F) (average)	100%	CSA A123.23-15
Strain Energy (before and after conditioning) @23°C (73.4°F) @-18°C (0°F)	≥5.5 kN/m (≥31 lbf/in) ≥3.0 kN/m (≥17 lbf/in)	CSA A123.23-15
Dimensional Stability (maximum)	0.5%	CSA A123.23-15
Low Temperature Flexibility (maximum)	-26°C (-15°F)	CSA A123.23-15
Compound Stability (minimum)	121°C (250°F)	CSA A123.23-15
Mass Per Unit Area (minimum)	4.7 kg/m ² (96 lb/sq)	CSA A123.23-15

*The value reported is the lower of either MD or XD.