

Parafor® 50 LT

Commercial Product Data Sheet

Description:

Parafor® 50 LT is a modified bitumen finish ply designed for use in single-layer and multi-layer modified bitumen roof membrane systems and as a flashing sheet. Parafor® 50 LT consists of a fiberglass scrim/polyester mat impregnated and coated with high-quality styrene-butadiene-styrene (SBS) modified bitumen and is surfaced with ceramic granules.

Contact Siplast for information on approved product uses.

Uses:

Finish Ply
Finish Flashing Ply

Standards:	ASTM D6162 Type II, Grade G CSA A123.23-15 Type C, Grade 1
Roll Length (min.)	26 ft. (8 m)
Roll Width (avg.)	39.4 in. (1 m)
Typical Coverage Per Roll (Excluding 3 in. Side & End Laps)	0.75 Squares
Selvage Width (avg.)	3.74 in. (95 mm)
Selvage Surfacing	Silica Parting Agent
Top Surfacing	No. 11 Ceramic Granules
Back Surfacing	Silica Parting Agent
Product Options	RoofTag, Eco-Activ™ Granules, Special Colors

Listings, Approvals & Certifications:



- Classified by UL in accordance with ANSI/UL 790. Refer to UL Product iQ for specific assemblies.
- FM Approved — Refer to RoofNav.com for specific assemblies.
- Meets or Exceeds CSA A123.23.

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Application:

Refer to the Siplast Technical Guide for detailed application information and slope limitations. Parafor® 50 LT is lapped 4 in. (102 mm) at sides and 6 in. (152 mm) at ends.



Cold Adhesive



Heat Weld

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:

- Rolls Per Pallet: 20
- Minimum Roll Weight: 106 lb. (48.1 kg)

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Commercial Product Data Sheet

U.S. TEST STANDARDS			
Property (as manufactured)	Values/Units		Test Method
Thickness (avg.)	180 mils (4.6 mm)		ASTM D5147 Section 6
Thickness at Selvage*	157 mils (4.0 mm) (avg.)	154 mils (3.9 mm) (min.)	ASTM D5147 Section 6
Peak Load @ 73.4°F (23°C)† (avg.)	80 lbf/in (14 kN/m)		ASTM D5147 Section 7
Peak Load @ 0°F (-18°C)† (avg.)	125 lbf/in (21.9 kN/m)		ASTM D5147 Section 7
Elongation @ Peak Load 73.4°F (23°C)† (avg.)	40%		ASTM D5147 Section 7
Elongation @ Peak Load 0°F (-18°C)† (avg.)	40%		ASTM D5147 Section 7
Ultimate Elongation 73.4°F (23°C)†	100%		ASTM D5147 Section 7
Tear Strength† (avg.)	100 lbf (0.45 kN)		ASTM D5147 Section 8
Water Absorption (max.)	1%		ASTM D5147 Section 10
Dimensional Stability (max.)	0.5%		ASTM D5147 Section 11
Low Temperature Flexibility (max.)	-5°F (-21°C)		ASTM D5147 Section 12
Granule Embedment	1.5 grams per sample max. avg. loss	2.0 grams per sample max. individual loss	ASTM D5147 Section 15
Compound Stability (min.)	250°F (121°C)		ASTM D5147 Section 16
Cyclic Fatigue	Parafor 50 LT utilized as a single-layer membrane or bonded to an acceptable Paradiene 20 base ply, with an approved method of attachment, passes ASTM D5849 both as manufactured and after heat conditioning, according to ASTM D5147.		



The above properties have been validated by PRI and are under continuous follow-up to ensure compliance. The product has been validated to meet ASTM D6162-08, Type II, Grade G.

Data is based upon typical product performance and subject to normal manufacturing and packaging tolerance and variation.

* Measured on the selvage edge excluding granule surfacing.

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

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CANADIAN TEST STANDARDS				
Property (as manufactured)		CSA A123.23 Requirement	Test Performance	Test Method
Thickness (min.)		2.8 mm (110 mils)	4.3 mm (169 mils)	ASTM D5147
Selvage Thickness* (min.)		1.8 mm (70 mils)	3.9 mm (153 mils)	ASTM D5147
Mass Per Unit Area (min.)		2.9 kg/m ² (60 lb./100 ft ²)	6.9 kg/m ² (141 lb./100 ft ²)	ASTM D5147
Back Surface Coating Thickness (min.)		1.0 mm (40 mils)	1.0 mm (40 mils)	ASTM D5147
Strain Energy [†]	@ 23 ± 2°C (73.4 ± 3.6°F)	5.5 kN/m (31 lbf/in)	≥5.5 kN/m (≥31 lbf/in)	CSA A123.23
	@ -18 ± 2°C (-0.4 ± 3.6°F)	3.0 kN/m (17 lbf/in)	≥3.0 kN/m (≥17 lbf/in)	
Peak Load [†]	@ 23 ± 2°C (73.4 ± 3.6°F)	See Tested Value	>13.5 kN/m (>77 lbf/in)	ASTM D5147
	@ -18 ± 2°C (-0.4 ± 3.6°F)		>21 kN/m (>120 lbf/in)	
Elongation @ Peak Load [†] (Before and After Heat Conditioning)	@ 23 ± 2°C (73.4 ± 3.6°F)	See Tested Value	>39%	ASTM D5147
	@ -18 ± 2°C (-0.4 ± 3.6°F)		>38%	
Ultimate Elongation [†] (Before and After Heat Conditioning)	@ 23 ± 2°C (73.4 ± 3.6°F)	See Tested Value	>90%	ASTM D5147
Dimensional Stability (max.)		0.5%	0.5%	ASTM D5147
Low Temperature Flexibility (max.)		-18°C (-0.4°F)	-21°C (-5°F)	ASTM D5147
Low Temperature Weathered Flexibility (max.)		-12°C (10°F)	-12°C (10°F)	ASTM D5147
Compound Stability (min.)		91°C (195°F)	121°C (250°F)	ASTM D5147
Resistance to Puncture		Pass	Pass	CSA A123.23
Granule Loss (Grade 1 only) (max.)		2.0 g (0.07 oz.)	1.5 g	ASTM D5147

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