PARAFOR 30 TG

Commercial Product Data Sheet

Product Description

Parafor 30 TG is a high performance, modified bitumen finish ply designed for use in homogeneous multi-layer modified bitumen roof membrane systems. Parafor 30 TG consists of a fiberglass scrim/polyester mat composite impregnated and coated with high quality styrene-butadiene-styrene (SBS) modified bitumen, and surfaced with ceramic granules. The back surface is manufactured using a special process that embosses the surface with a grooved pattern to provide optimum burnoff of the plastic film and maximize application rates.

Product Uses

Parafor 30 TG is the finish ply of the Siplast Paradiene 20/Parafor 30 TG System and as a base flashing. Parafor 30 TG is lapped 3 inches (7.6 cm) at sides and 6 inches (15.2 cm) at ends. Parafor 30 TG is torch applied. Contact Siplast for specific approval on other product uses.

Product Approvals

Parafor 30 TG is approved by FM Approvals (FM Standard 4470) for use in Parafor Class 1 insulated steel roof deck constructions and insulated and non-insulated concrete roof deck constructions, subject to FM conditions and limitations.

Parafor 30 TG is Listed by Underwriters Laboratories for use in $_{c}UL_{us}$ Classified Siplast Parafor Roof Systems. Parafor 30 TG has been classified as a Class C roofing system over combustible, non-combustible, and insulated combustible decks.

Parafor 30 TG meets or exceeds the requirements of ASTM D 6164 Type I, Grade G for SBS-modified bituminous sheet materials using a polyester reinforcement.

Siplast Roof Systems also have received the approval of many regional and local authorities. Please contact Siplast for specific information as required.

Current copies of all Siplast Commercial Product Data Sheets are posted on the Siplast Canada Web site at www.Siplast.com.

COMMERCIAL PRODUCT INFORMATION

Unit	Roll		
Coverage:	0.98 Square		(9.1 m²)
Coverage Weight Per Square:	Min:	114 lb	(5.2 kg/m²)
Roll Length:	Min:	32.8 ft	(10.0 m)
Roll Width:	Avg:	3.28 ft	(1.00 m)
Thickness:	Avg:	161 mils	(4.1 mm)
Thickness at Selvage:	Avg:	122 mils	(3.1 mm)
	Min:	118 mils	(3.0 mm)
Selvage Width:	Avg:	2.75 in	(70 mm)

Selvage Surfacing: Silica parting agent

Top Surfacing: No. 11 ceramic granules, standard color finishes are #93 Bone White and #65 Cinnamon Brown, Contact Siplast for other available colors.

Back Surfacing: Polyolefin burnoff film

Lines: A laying line is placed 3 inches (7.6 cm) from the selvage edge of the material. The line color for this material is blue.

Packaging: Rolls are wound onto a compressed paper tube. The rolls are placed upright on end opposite the selvage on pallets cushioned with corrugated cardboard and are adhered with adhesive at the labels. The top of the palleted rolls is covered with foilized Kraft paper. The palleted material is protected by a heat shrink polyethylene shroud.

Pallet: 41 in X 48 in (104 cm X 122 cm) wooden pallet.
Number Rolls Per Pallet: 20
Number Pallets Per Truckload: 18
Roll Weight: 114 lb (51.7 kg)

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

PARAFOR 30 TG

Physical and Mechanical Properties

Property (as Manufactured)	Values/Units	Test Method
Thickness (average)	161 mils (4.1 mm)	ASTM D 5147 section 5
Thickness at selvage (minimum) (average)	118 mils (3.0 mm) 122 mils (3.1 mm)	ASTM D 5147 section 5
[1]Peak Load @ 73°F (average)	65 lbf/inch (10.5 kN/m)	ASTM D 5147 section 6
[1]Peak Load @ 0°F (average)	115 lbf/inch (20.1 kN/m)	ASTM D 5147 section 6
[1]Elongation @ Peak Load, 73° F (average)	40%	ASTM D 5147 section 6
[1]Elongation @ Peak Load, 0° F (average)	40%	ASTM D 5147 section 6
[1]Ultimate Elongation @ 73°F (average)	90%	ASTM D 5147 section 6
[1]Tear Strength (average)	100 lbf (0.45 kN)	ASTM D 5147 section 7
Water Absorption (maximum)	1%	ASTM D 5147 section 9
Dimensional Stability (maximum)	0.5%	ASTM D 5147 section 10
Low Temperature Flexibility (maximum)	-13°F (-25°C)	ASTM D 5147 section 11
Granule Embedment Max. avg. loss Max. individual loss	1.5 grams per sample 2.0 grams per sample	ASTM D 5147 section 14
High Temperature Stability (minimum)	250°F (121°C)	ASTM D 5147 section 15
Cyclic Fatigue	Parafor 30 TG utilized as a single-layer membrane, or bonded to an acceptable Paradiene 20 base ply with an approved method of attachment, passes ASTM D 5849 both as-manufactured and after heat conditioning according to ASTM D5147.	

Test methods and tolerances: ASTM D 5147, and ASTM D 146 (product weight only)

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