

PARAFOR 30 TG BW



Commercial Product Data Sheet

Product Description

Parafor 30 TG BW is a high performance, modified bitumen finish ply designed for use in homogeneous multi-layer modified bitumen roof membrane systems. Parafor 30 TG BW consists of a fiberglass scrim/polyester mat composite impregnated and coated with high quality styrene-butadiene-styrene (SBS) modified bitumen, and surfaced with highly reflective, white mineral 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.

Parafor 30 TG BW is available with Siplast RoofTag RFID roof asset technology on a Special-Made-To-Order basis. See RoofTag Commercial Product Data Sheet for more information.

Product Uses

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

Product Approvals

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

Parafor 30 TG BW meets or exceeds the requirements of ASTM D 6162 Type II, Grade G and CSA A123.23-15 Type C, Grade 1 for SBS-modified bituminous sheet materials using a polyester reinforcement.

Parafor 30 TG BW meets the reflectance and emittance requirements of Title 24 Part 6 for the state of California. CRRR rated product ID is 0742-0018. Additionally, Parafor 30 TG BW qualifies for LEED certification points as defined by the United States Green Building Council. Please contact Siplast for specific information on reflective and emittance properties associated with energy regulations and guidelines.

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

COMMERCIAL PRODUCT INFORMATION

Unit	Roll		
Coverage:	1.0 Square	(9.3 m ²)	
Coverage Weight Per Square:	Min:	104 lb	(5.05 kg/m ²)
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: Burn-off Polyolefin Film

Top Surfacing: Specially formulated bright white mineral granules

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 orange.

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 palletted rolls is covered with Kraft paper. The palletted 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
Minimum Roll Weight: 104 lb (47.2 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.

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

PARAFOR 30 TG BW

Physical and Mechanical Properties

UNITED STATES TEST STANDARDS			CANADA TEST STANDARDS	
Property (as Manufactured)	Values/Units	Test Method	Property (as manufactured)	Test Method CSA A123.23-15 Values/Units
Thickness (average)	161 mils (4.1 mm)	ASTM D 5147 section 6	Thickness (average)	4.1 mm (161 mils)
Thickness at selvage (minimum) (average)	118 mils (3.0 mm) 122 mils (3.1 mm)	ASTM D 5147 section 6	Thickness at selvage (minimum) (average)	3.0 mm (118 mils) 3.1 mm (122 mils)
¹ Peak Load @ 73°F (23°C) (average)	80 lbf/inch (14.0 kN/m)	ASTM D 5147 section 7	¹ Peak Load @ 23°C (73°F) (average)	14.0 kN/m (80 lbf/inch)
¹ Peak Load @ 0°F (-17°C) (average)	125 lbf/inch (21.9 kN/m)	ASTM D 5147 section 7	¹ Peak Load @ -17°C (0°F) (average)	21.9 kN/m (125 lbf/inch)
¹ Elongation @ Peak Load, 73°F (23°C) (average)	40%	ASTM D 5147 section 7	¹ Elongation @ Peak Load, 23°C (73°F) (average)	40%
¹ Elongation @ Peak Load, 0°F (-17°C) (average)	40%	ASTM D 5147 section 7	¹ Elongation @ Peak Load, -17°C (0°F) (average)	40%
¹ Ultimate Elongation @ 73°F (23°C) (average)	90%	ASTM D 5147 section 7	¹ Ultimate Elongation @ 23°C (73°F) (average)	90%
¹ Tear Strength (average)	100 lbf (0.45 kN)	ASTM D 5147 section 8	Strain Energy (before and after conditioning) @ 23°C (73°F) @ -18°C (0°F)	≥ 5.5 kN/m (≥ 31 lbf/in) ≥ 3.0 kN/m (≥ 17 lbf/in)
Water Absorption (maximum)	1%	ASTM D 5147 section 10	N/A	N/A
Dimensional Stability (maximum)	0.5%	ASTM D 5147 section 11	Dimensional Stability (maximum)	0.5%
Low Temperature Flexibility (maximum)	-15°F (-26°C)	ASTM D 5147 section 12	Low Temperature Flexibility (maximum)	-26°C (-15°F)
Granule Embedment Max. avg. loss Max. individual loss	1.5 grams per sample 2.0 grams per sample	ASTM D 5147 section 15	Granule Embedment Max. avg. loss Max. individual loss	1.5 grams per sample 2.0 grams per sample
Compound Stability (minimum)	250°F (121°C)	ASTM D 5147 section 16	Compound Stability (minimum)	121°C (250°F)
Solar Reflectance (Avg)	0.74	ASTM C1549	Solar Reflectance (Avg)	0.74
Thermal Emittance (Avg)	0.91	ASTM C1371	Thermal Emittance (Avg)	0.91
Solar Reflectance Index (Avg)	92	ASTM E1980	Solar Reflectance Index (Avg)	92
Cyclic Fatigue	Parafor 30 TG BW 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 D 5147.		Mass Per Unit Area Minimum	5.05 kg/m ² (104 lb/sq)

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.