

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.

Parafor 30 TG 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 is the finish ply of the Siplast Paradiene 20/Parafor 30 TG System and is used as a base flashing where granule-surfaced flashing sheets are required. 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 classified by Underwriters Laboratories for use in eUL_{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 6162 Type II, Grade G and CSA A123.23-15 Type B, Grade 1 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: | 1.0 Square | (9.3 m ²) | |
| Coverage Weight Per Square: | Min: | 114 lb | (5.5 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: No. 11 ceramic granules, standard color finish is #A-720 Bone White. 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 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: 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.

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PARAFOR 30 TG

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 (average) | 80 lbf/inch (14 kN/m) | ASTM D 5147 section 7 | ¹ Peak Load @ 73°F (average) | 14 kN/m (80 lbf/inch) |
| ¹ Peak Load @ 0°F (average) | 125 lbf/inch (21.9 kN/m) | ASTM D 5147 section 7 | ¹ Peak Load @ 0°F (average) | 21.9 kN/m (125 lbf/inch) |
| ¹ Elongation @ Peak Load, 73° F (average) | 40% | ASTM D 5147 section 7 | ¹ Elongation @ Peak Load, 73° F (average) | 40% |
| ¹ Elongation @ Peak Load, 0° F (average) | 40% | ASTM D 5147 section 7 | ¹ Elongation @ Peak Load, 0° F (average) | 40% |
| ¹ Ultimate Elongation @ 73°F (average) | 90% | ASTM D 5147 section 7 | ¹ Ultimate Elongation @ 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) |
| 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 D 5147. | | Mass Per Unit Area Minimum | 5.5 kg/m ² (114 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.