

# PARAFOR 50 TG



## Commercial Product Data Sheet

### Product Description

Parafor 50 TG is a high performance, modified bitumen finish ply designed for use in single layer and multi-layer modified bitumen roof membrane systems. Parafor 50 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 polyolefin film and maximize application rates.

### Product Uses

Parafor 50 TG is used as a finish ply in single layer and multi-layer applications, and as a base flashing material where granule-surfaced flashing sheets are required. Parafor 50 TG is lapped 3.5 inches (8.9 cm) at sides and 6 inches (15.2) at ends, and is applied by torch.

### Product Approvals

Parafor 50 TG is approved by Factory Mutual Research (FM Standard 4470) for use in Class 1 insulated steel roof deck constructions and insulated and non-insulated concrete roof deck constructions, subject to FM conditions and limitations.

Parafor 50 TG is approved by Underwriters Laboratories for use in  $cUL_{us}$  Classified Siplast Parafor 50 TG Roof Systems. Parafor 50 TG has been classified as a Class C roofing system over combustible, non-combustible, and insulated combustible decks.

Parafor 50 TG meets or exceeds the requirements of ASTM D 6164 Type I, Grade G, and CGSB 37-GP-56M Type 1, Class A, Grade 2 for SBS-modified bituminous sheet materials using a polyester reinforcement.

Siplast Roof Systems also have received 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.ca](http://www.Siplast.ca).*

### COMMERCIAL PRODUCT INFORMATION

|                             |               |                          |
|-----------------------------|---------------|--------------------------|
| Unit:                       | Roll          |                          |
| Coverage:                   | 0.75 Square   | (7.0 m <sup>2</sup> )    |
| Coverage Weight Per Square: | Min: 143 lb   | (7.0 kg/m <sup>2</sup> ) |
| Roll Length:                | Min: 25.60 ft | (7.80 m)                 |
| Roll Width:                 | Avg: 3.28 ft  | (1.00 m)                 |
| Thickness:                  | Avg: 181 mils | (4.6 mm)                 |
| Thickness at Selvage:       | Avg: 157 mils | (4.0 mm)                 |
|                             | Min: 153 mils | (3.9 mm)                 |
| Selvage Width:              | Avg: 3.5 in   | (89 mm)                  |

Selvage Surfacing: Polyolefin burnoff film

Top Surfacing: No. 11 ceramic granules, standard color finishes are Grey #9 and Brown #6. Contact Siplast for other available colors.

Back Surfacing: Polyolefin burnoff film

Lines: A laying line is placed 3.5 in (8.9 cm) from 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 ends 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 foiled 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  
Roll Weight: 109 lb (49.4 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 50 TG

## Physical and Mechanical Properties

| Property<br>(as Manufactured)   | CGSB<br>Test Method                  | ASTM<br>Test Method                          |
|---|--------------------------------------|--|
| Roll Size   | 25.60 ft x 3.28 ft<br>(7.80 m x 1 m) | 25.60 ft x 3.28 ft<br>(7.80 m x 1 m)         |
| Average Total Thickness   | N/A                                  | 157 mils<br>(4.0 mm)                         |
| Thickness at selvage<br>(minimum)<br>(average)                        | N/A                                  | 153 mils (3.9 mm)<br>157 mils (4.0 mm)       |
| Minimum Weight per Roll   | N/A                                  | 109 lb<br>(49.4 kg)                          |
| Low Temperature Flexibility   | -13°F<br>(-25°C)                     | -11°F<br>(-20°C)                             |
| <sup>1</sup> Tensile Strength or Peak Load<br>@ 73°F (23°C) (average) | 785 N/5 cm                           | 65 lbf/inch<br>(11.4 kN/m)                   |
| <sup>1</sup> Elongation at Peak Load<br>@ 73°F (23°C) (average)       | 60%                                  | 60%  |
| <sup>1</sup> Ultimate Elongation at<br>@ 73°F (23°C) (average)        | 150%                                 | 150%   |
| Static Puncture   | > 25 Kg                              | N/A  |
| Granule Embedment<br>Max avg. loss<br>Max. individual loss            | N/A                                  | 1.5 grams per sample<br>2.0 grams per sample |
| Dimensional Stability<br>(maximum)                                    | 0.5%                                 | 0.5%   |

Test methods and tolerances: CGSB 37-GP-56M (1980), ASTM D 5147, and ASTM D 146 (weight)

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