

PRO BASE TS



Commercial Product Data Sheet

Product Description

Pro Base TS is a high performance, semi-adhered, SBS-modified bitumen base ply designed specifically for use in Parapro roof membrane systems. Pro Base TS consists of a lightweight random fibrous glass mat impregnated and coated with an elastomeric styrene-butadiene-styrene (SBS) modified bitumen. The unique top surface is factory coated with a proprietary Syntan® acrylic coating. The back surface design consists of a factory-applied Syntan coating combined with heat-activated adhesive stripes, which provides for uniform bonding of 50% of the total surface area of the sheet.

Pro Base TS 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

Pro Base TS is the first ply of all semi-adhered Siplast Pro Base TS/Parapro and Paraflex Roof Systems. It is lapped 3 inches (7.6 cm) on sides and ends. Pro Base TS is designed for direct application to primed structural concrete decks, approved insulations, and other approved substrates. Pro Base TS can only be torch applied. Pro Base TS products are approved for a maximum 14 days of exposure prior to Parapro or Paraflex application. The laps of the Pro Base TS must be heat welded when the material is left exposed 1-14 days prior to application of the specified finish ply of Parapro or Paraflex Roof Membranes. Contact Siplast for specific approval on other product uses.

Product Approvals

Pro Base TS is approved by FM Approvals for use as a base ply in Siplast Pro Base TS/Parapro or Paraflex Class 1 insulated steel roof deck constructions and insulated and non-insulated concrete roof deck constructions, subject to FM conditions and limitations.

Pro Base TS is classified by Underwriters Laboratories in cULus approved Parapro or Paraflex listings and assemblies.

Contact Siplast for specific information regarding FM Class 1 windstorm resistance classifications.

Pro Base TS meets or exceeds the requirements of ASTM D 6163 Type I, Grade S, and CSA A123.23-15 Type A, Grade 2 for SBS-modified bituminous sheet materials using glass fiber reinforcements.

Siplast Roof Systems have also received the approval of many regional and local code authorities. Contact Siplast for more information.

COMMERCIAL PRODUCT INFORMATION

| | | |
|-----------------------------|---|--------------------------|
| Unit: | Roll | |
| Coverage: | 1.0 Square | (9.3 m ²) |
| Coverage Weight Per Square: | Min: 73 lb | (3.6 kg/m ²) |
| Roll Length: | Min: 33.5 ft | (10.21 m) |
| Roll Width: | Avg: 3.28 ft | (1.00 m) |
| Thickness:* | Avg: 91 mils | (2.3 mm) |
| | Min: 87 mils | (2.2 mm) |
| Selvage Width: | Avg: N/A | N/A |
| Top Surfacing: | Syntan® Acrylic Coating ¹ | |
| Back Surfacing: | Syntan Acrylic Coating, Adhesive Stripes, and Polyolefin Burnoff Film | |

Lines: A laying line is placed 3 in (76 mm) from each 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 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: 25
Number Pallets Per Truckload: 18
Minimum Roll Weight: 73 lb (33.1 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.

* Thickness does not include the thickness of the adhesive stripes.

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

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PRO BASE TS

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 (minimum) | 87 mils (2.2 mm) | ASTM D 5147 section 6 | Thickness (minimum) | 2.2 mm (87 mils) |
| Thickness (average) | 91 mils (2.3 mm) | ASTM D 5147 section 6 | Thickness (average) | 2.3 mm (91 mils) |
| ¹ Peak Load @ 73°F (23°C) (average) | 30 lbf/inch (5.3 kN/m) | ASTM D 5147 section 7 | ¹ Peak Load 23°C (73°F) (average) | 5.3 kN/m (30 lbf/inch) |
| ¹ Peak Load @ 0°F (-17°C) (average) | 70 lbf/inch (12.3 kN/m) | ASTM D 5147 section 7 | ¹ Peak Load @ -17°C (0°F) (average) | 12.3 kN/m (70 lbf/inch) |
| ¹ Elongation @ Peak Load, 73°F (23°C) (average) | 3% | ASTM D 5147 section 7 | ¹ Elongation @ Peak Load, 23°C (73°F) (average) | 3% |
| ¹ Elongation @ Peak Load, 0°F (-17°C) (average) | 3% | ASTM D 5147 section 7 | ¹ Elongation @ Peak Load, -17°C (0°F) (average) | 3% |
| ¹ Ultimate Elongation @ 73°F (23°C) (average) | 50% | ASTM D 5147 section 7 | ¹ Ultimate Elongation @ 23°C (73°F) (average) | 50% |
| ¹ Tear Strength (average) | 40 lbf (0.18 kN) | ASTM D 5147 section 8 | N/A | NA |
| Water Absorption (maximum) | 1% | ASTM D 5147 section 10 | N/A | N/A |
| Dimensional Stability (maximum) | 0.1 % | ASTM D 5147 section 11 | Dimensional Stability (maximum) | 0.1 % |
| Low Temperature Flexibility (maximum) | -15°F (-26 °C) | ASTM D 5147 section 12 | Low Temperature Flexibility (maximum) | -26 °C (-15°F) |
| Compound Stability (minimum) | 250°F (121°C) | ASTM D 5147 section 16 | Compound Stability (minimum) | 121°C (250°F) |
| Coating Thickness - Back Surface | ≥ 40 mils (1 mm) | ASTM D 5147 section 17 | Coating Thickness - Back Surface | 1 mm (≥ 40 mils) |
| Cyclic Fatigue | Pro Base TS, bonded to Parapro and Paraflex Roof Membranes, passes ASTM D 5849 both as-manufactured and after heat conditioning according to ASTM D 5147. | | Mass Per Unit Area (minimum) | 3.6 kg/m ² (73 lb/sq) |

1. Thickness does not include the thickness of the adhesive stripes.
2. The value reported is the lower of either MD or XD.