

PRO BASE SA



Commercial Product Data Sheet

Product Description

Pro Base SA is a high performance, self-adhesive, SBS-modified bitumen base ply specifically designed for use in Parapro and Paraflex Roof Membrane Systems. Pro Base SA consists of a lightweight random fibrous glass mat impregnated and coated with high quality styrene-butadiene-styrene (SBS) modified bitumen. The unique top surface is factory coated with a proprietary Syntan acrylic coating. The back surface is coated with a self-adhesive bitumen layer specifically formulated for optimum adhesion in low-slope membrane applications, and it is lined with a high strength polyolefin release film.

Pro Base SA 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 SA is designed to be used as a base ply and flashing reinforcing sheet for direct application to approved roof board products, and other approved substrates.

Pro Base SA is the first ply of all fully adhered Siplast Pro Base SA/Parapro and Paraflex Roof Systems. It is lapped 3 inches (7.6 cm) on sides and ends. End laps require heat welding. Pro Base SA is designed for direct application to approved insulations and roof boards, primed structural concrete decks, and other approved substrates. Pro Base SA can only be used as a base ply in Parapro Roof Membrane and Paraflex Liquid Membrane assemblies. Pro Base SA products are approved for a maximum 14 days of exposure prior to Parapro application. The laps of the Pro Base SA must be heat welded when the material is left exposed 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 SA is approved by FM Approvals for use as a base ply in Siplast Pro Base SA/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.

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

Pro Base SA is listed by Underwriters Laboratories for use in cUL_{us} Classified Siplast Pro Base/Parapro and Pro Base/Paraflex Roof Systems.

Pro Base SA meets or exceeds the requirements for ASTM D 6163 Type I, Grade S and CSA A123.23-15 Type A, Grade 1 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:	69 lb	(3.4 kg/m ²)
Roll Length:	Min:	33.5 ft	(10.21 m)
Roll Width:	Avg:	3.28 ft	(1.00 m)
Thickness:	Avg:	102 mils	(2.6 mm)
	Min:	98 mils	(2.5 mm)
Selvage Width:	Avg:	N/A	N/A

Selvage Surfacing: Polyolefin Release Tape

Top Surfacing: Syntan® Acrylic Coating¹

Back Surfacing: Polyolefin Release Film

Lines: Two laying lines are placed 3 in (76 mm) and 4 in (10.2 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: 69 lb (31.5 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.

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

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)	98 mils (2.5 mm)	ASTM D 5147 section 6	Thickness (minimum)	2.5 mm (98 mils)
Thickness (average)	102 mils (2.6 mm)	ASTM D 5147 section 6	Thickness (average)	2.6 mm (102 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)	75 lbf/inch (13.2 kN/m)	ASTM D 5147 section 7	¹ Peak Load @ -17°C (0°F) (average)	13.2 kN/m (75 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	N/A
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)
Cyclic Fatigue	Pro Base SA, bonded to Parapro Roof Membrane, passes ASTM D 5849 both as-manufactured and after heat conditioning according to ASTM D 5147.		Mass Per Unit Area (minimum)	3.4 kg/m ² (69 lb/sq)

1. The value reported is the lower of either MD or XD.
2. The High Temperature Stability of the self-adhesive bitumen coating is 212°F (100°C).