

PARADIENE 30 HT



Commercial Product Data Sheet

Product Description

Paradiene 30 HT is a high performance, modified bitumen finish ply designed for use in homogeneous multi-layer modified bitumen roof membrane systems. Paradiene 30 HT consists of a fiberglass scrim/fiberglass mat composite impregnated and coated with high quality styrene-butadiene-styrene (SBS) modified bitumen, and surfaced with ceramic granules.

Product Uses

Paradiene 30 HT is the finish ply of the Siplast Paradiene 20/30 HT System, and is lapped 3 inches (7.6 cm) at sides and 6 inches (15.2 cm) at ends. Paradiene 30 HT is specifically designed for high tensile requirements. Paradiene 30 HT can be applied in approved Type IV asphalt or Siplast PA-311 Adhesive. Contact Siplast for specific approval on other product uses.

Product Approvals

Paradiene 30 HT is approved by Factory Mutual Research (FM Standard 4470) for use in Siplast Paradiene 20/30 HT Class 1 insulated steel roof deck constructions and insulated and non-insulated concrete roof deck constructions, subject to FM conditions and limitations.

Paradiene 30 HT is approved by Underwriters Laboratories for use in cUL_{us} Classified Siplast Paradiene 20/30 HT Roof Systems. Siplast Paradiene 20/30 HT has been classified by Underwriters Laboratories as a Class C roofing system over non-combustible, insulated non-combustible, and insulated combustible decks.

Paradiene 30 HT meets or exceeds the requirements of ASTM D 6163 Type II, Grade G, and CGSB 37-GP-56M Type 1, Class A, Grade 2 for SBS-modified bituminous sheet materials using glass fiber reinforcements.

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:	91 lb	(4.4 kg/m ²)
Roll Length:	Min:	33.5 ft	(10.21 m)
Roll Width:	Avg:	3.28 ft	(1.00 m)
Thickness:	Avg:	130 mils	(3.3 mm)
Thickness at Selvage:	Avg:	98 mils	(2.5 mm)
	Min:	94 mils	(2.4 mm)
Selvage Width:	Avg:	2.75 in	(7.0 cm)

Lines: A laying line is placed 3 in (7.6 cm) from selvage edge of the material. The line color for this material is green.

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 foilized 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: 91 lb (40.8 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 Canada Web site at www.Siplast.ca.

PARADIENE 30 HT

Physical and Mechanical Properties

Property (as Manufactured)	CGSB Test Method	ASTM Test Method
Roll Size	33.5 ft x 3.28 ft (10.21 m x 1 m)	33.5 ft x 3.28 ft (10.21 m x 1 m)
Average Total Thickness	N/A	130 mils (3.3 mm)
Thickness at selvage (minimum) (average)	N/A	94 mils (2.4 mm) 98 mils (2.5 mm)
Minimum Weight per Roll	N/A	91 lb (40.8 kg)
Low Temperature Flexibility	-22°F (-30°C)	-13°F (-25°C)
¹ Tensile Strength or Peak Load @ 73°F (23°C) (average)	935 N/5 cm	80 lbf/inch (14.1 KN/m)
¹ Elongation at Peak Load @ 73°F (23°C) (average)	5%	5%
¹ Ultimate Elongation @ 73°F (23°C) (average)	55%	55%
Static Puncture	> 10 kg	N/A
Granule Embedment Max avg. loss Max. individual loss	N/A	1.5 grams per sample 2.0 grams per sample
Dimensional Stability (maximum)	0.1%	0.1%

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.