PARADIENE 30 HT TG

Commercial Product Data Sheet

Product Description

Paradiene 30 HT TG is a high performance, torch grade modified bitumen finish ply designed for use in homogeneous multi-layer modified bitumen roof membrane systems. Paradiene 30 HT TG 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. The back surface is coated with a high performance modified asphalt adhesive layer specifically formulated for torch applications. The adhesive layer 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

Paradiene 30 HT TG is the finish ply of the Paradiene 20 TG/30 TG system, and is lapped 3 inches (7.6 cm) at sides and 6 inches (15.2 cm) at ends. Paradiene 20 TG/30 TG systems are torch applied to approved substrates. Contact Siplast for specific approval on product uses.

Product Approvals

Paradiene 30 HT TG is approved by Factory Mutual Research (FM Standard 4470) for use in Paradiene 20 TG/30 HT TG 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 TG is approved by Underwriters Laboratories for use in $_{c}UL_{us}$ Classified Paradiene 20 TG/30 HT TG roof systems. Paradiene 20 TG/30 HT TG roof systems have been classified as a Class C roofing systems over combustible, non combustible, and insulated combustible decks.

Paradiene 30 HT TG 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.

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

COMMERCIAL PRODUCT INFORMATION

Unit:	Roll		
Coverage:	0.75 Square		(7.0 m²)
Coverage Weight Per Square:	Min:	112 lb	(5.4 kg/m²)
Roll Length:	Min:	25.25 ft	(7.70 m)
Roll Width:	Avg:	3.28 ft	(1.00 m)
Thickness:	Avg:	133 mils	(3.4 mm)
Thickness at Selvage:	Avg:	118 mils	(3.0 mm)
	Min:	114 mils	(2.9 mm)
Selvage Width:	Avg:	2.75 in	(70 mm)

Selvage Surfacing: Release tape

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

Back Surfacing: Polyolefin film

Lines: A laying line is placed 7.6 cm (3 in) 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 ends opposite the selvage on pallets cushioned with corrugated cardboard and are adhered with adhesive at the labels. The top of the palleted rolls is covered with foilized Kraft paper. The palleted 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: 84 lb (38.1 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.

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PARADIENE 30 HT TG

Physical and Mechanical Properties

Property (as Manufactured)	CGSB Test Method	ASTM Test Method
Roll Size	25.25 ft x 3.28 ft (7.70 m x 1 m)	25.25 ft x 3.28 ft (7.70 m x 1 m)
Average Total Thickness	NA	133 mils (3.4 mm)
Thickness at selvage (minimum) (average)	N/A	114 mils (2.9 mm) 118 mils (3.0 mm)
Minimum Weight per Roll	N/A	84 lb (38.1 kg)
Low Temperature Flexibility	-22°F (-30°C)	-13°F (-25°C)
[1]Tensile Strength or Peak Load (average) 73°F	935 kN/5 cm	80 lbf/in (14.1 kN/m)
[1]Elongation at Peak Load (average) 73°F	5%	5%
[1]Ultimate Elongation at 73°F (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.