PARADIENE 30 HT FR

Commercial Product Data Sheet

Product Description

Paradiene 30 HT FR is a high performance, modified bitumen finish ply designed for use in homogeneous multi-layer modified bitumen roof membrane systems. Paradiene 30 HT FR 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.

Paradiene 30 HT FR 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

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

Product Approvals

Paradiene 30 HT FR is approved by FM Approvals (FM Standard 4470) for use in Siplast Paradiene 20/30 HT FR 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 FR is classified by Underwriters Laboratories for use in $_{c}UL_{us}$ Classified Siplast Paradiene 20/30 HT FR Roof Systems. Siplast Paradiene 20/30 HT FR has been classified by Underwriters Laboratories as a Class A roofing system over non-combustible, insulated non-combustible, and insulated combustible decks, and as a Class B roofing system over combustible decks.

Paradiene 30 HT FR meets or exceeds the requirements of ASTM D 6163 Type II, Grade G, 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 Web site at www.Siplast.com.

COMMERCIAL PRODUCT INFORMATION

Unit:	Roll		
Coverage:	1.0 Square		(9.3 m²)
Coverage Weight Per Square:	Min:	90 lb	(4.4 kg/m²)
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	(70 mm)

Selvage Surfacing: Silica parting agent

Top Surfacing: No. 11 ceramic granules, standard color finishes are #93 Bone White and #65 Cinnamon Brown. Contact Siplast for other available colors.

Back Surfacing: Silica Parting Agent

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

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: 90 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.

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PARADIENE 30 HT FR

Physical and Mechanical Properties

Property (as Manufactured)	Values/Units	Test Method
Thickness (average)	130 mils (3.3 mm)	ASTM D 5147 section 6
[1]Thickness at selvage (minimum) (average)	94 mils (2.4 mm) 98 mils (2.5 mm)	ASTM D 5147 section 6
Peak Load @ 73°F (average)	80 lbf/inch (14.1 kN/m)	ASTM D 5147 section 7
Peak @ 0°F (average)	150 lbf/inch (26.5 kN/m)	ASTM D 5147 section 7
[2]Elongation @ Peak Load, 73°F (average)	5%	ASTM D 5147 section 7
[2]Elongation @ Peak Load, 0°F (average)	4%	ASTM D 5147 section 7
[2]Ultimate Elongation @ 73°F (average)	55%	ASTM D 5147 section 7
[2]Tear Strength (average)	120 lbf (0.54 kN)	ASTM D 5147 section 8
Water Absorption (maximum)	1%	ASTM D 5147 section 10
Dimensional Stability (maximum)	0.1%	ASTM D 5147 section 11
Low Temperature Flexibility (maximum)	-15°F (-26°C)	ASTM D 5147 section 12
Granule Embedment Max. avg. loss Max. individual loss	1.5 grams per sample 2.0 grams per sample	ASTM D 5147 section 15
Compound Stability (minimum)	250°F (121°C)	ASTM D 5147 section 16
Cyclic Fatigue	Paradiene 30 HT FR, bonded to an acceptable Paradiene 20 base ply with an approved method of attachment, passes ASTM D 5849 both as-manufactured and after heat conditioning according to ASTM D 5147.	

1. Measured on the selvage edge excluding the granule surfacing.
2. The value reported is the lower of either MD or XD.