PARADIENE 20 PR TG

Commercial Product Data Sheet

Product Description

Paradiene 20 PR TG is a high performance modified bitumen finish ply designed for use in gravel-surfaced, homogeneous multi-layer modified bitumen roof membrane systems. Paradiene 20 PR TG consists of a fiberglass scrim reinforced/polyester mat composite impregnated and coated with high quality styrene-butadiene-styrene (SBS) modified bitumen. 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 20 PR TG is the surface ply of the Siplast Paradiene 20/20 PR TG or 20 TG/20 PR TG gravel-surfaced roof system, and is lapped 3 inches (7.6 cm) at sides and 6 inches (15.2 cm) at ends. Paradiene 20 PR TG is torch applied to approved Siplast sheet materials or approved substrates. Contact Siplast for specific approval on other product uses.

Product Approvals

Paradiene 20 PR TG is approved by Factory Mutual for use in Siplast Paradiene 20 series/20 PR TG Class 1 insulated steel deck constructions and over insulated and non-insulated concrete roof deck constructions, subject to FM conditions and limitations.

Siplast Paradiene 20 series/Paradiene 20 PR TG gravel-surfaced roof systems have been classified by Underwriters Laboratories ($_cUL_{us}$) as Class A roofing systems over insulated and non-insulated non-combustible roof decks.

Paradiene 20 PR TG meets or exceeds the requirements of ASTM D 6164 Type I, Grade S, and CGSB 37-GP-56M Type 2, Class C, Grade 2 for SBS-modified bituminous sheet materials using polyester 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:	1.0 Square		(9.3 m²)
Coverage Weight Per Square:	Min:	96 lb	(4.7 kg/m²)
Roll Length:	Min:	33.5 ft	(10.21 m)
Roll Width:	Avg:	3.28 ft	(1.00 m)
Thickness:	Avg: Min:	138 mils 134 mils	(3.5 mm) (3.4 mm)
Selvage Width:	N/A		
Selvage Surfacing:	N/A		
Top Surfacing:	Silica parting agent		
Back Surfacing:	Polyolefin film		

Lines: Two laying lines are placed 3 inches (7.6 cm) and 4 inches (10.2 cm) from each edge of the material. The line color for this material is yellow.

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 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: 96 lb (43.5 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.

PARADIENE 20 PR TG

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)
Thickness (minimum)	N/A	134 mils (3.4 mm)
Thickness (average)	N/A	138 mils (3.5 mm)
Minimum Weight per Roll	N/A	96 lb (43.5 kg)
Low Temperature Flexibility	-22°F (-30°C)	-13°F (-25°C)
[1]Tensile Strength or Peak Load (average)	785 N/5 cm	65 lbf/in (11.4 kN/m)
[1]Elongation at Peak Load (average)	50%	50%
[1]Ultimate Elongation (average)	60%	60%
Static Puncture	> 25 kg	N/A
Dimensional Stability (maximum)	0.5%	0.5%

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.