

# PARADIENE 20 EG TG



## Commercial Product Data Sheet

### Product Description

Paradiene 20 EG TG is a high performance torch grade modified bitumen base ply designed for use in homogeneous multi-layer modified bitumen roof membrane systems. Paradiene 20 EG TG consists of a fiberglass scrim/fiberglass mat composite impregnated and coated with high quality styrene-butadiene-styrene (SBS) modified bitumen. The top surface is covered with a silica parting agent, and the Paradiene 20 EG TG sheet is manufactured using a special process that embosses the back surface with a grooved pattern to provide optimum burnoff of the polyolefin film and maximize application rates.

### Product Uses

Paradiene 20 EG TG is the first ply of Paradiene 20 EG TG/30 TG, Paradiene 20 EG TG/Veral, and Paradiene 20 EG TG/Parafor systems, and is lapped 3 inches (7.6 cm) at sides and 6 inches (15.2 cm) at ends. Paradiene 20 EG TG is specifically designed for use in conjunction with torchable Paradiene roof systems requiring high tensile and high elongation performance. Paradiene 20 EG TG is torch applied to approved substrates. Contact Siplast for specific approval on product uses.

### Product Approvals

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

Paradiene 20 EG TG is approved by Underwriters Laboratories for use in  $cUL_{us}$  Classified Siplast Paradiene 20 EG TG/30 TG and Paradiene 20 EG TG/30 FR TG, Paradiene 20 EG TG/Veral, and Paradiene 20 EG TG/Parafor roof systems. Paradiene 20 EG TG/30 FR TG and Paradiene 20 EG TG/Veral Roof Systems have been classified by Underwriters Laboratories as Class A roofing systems over non-combustible, insulated non-combustible, and insulated combustible decks. Siplast Paradiene 20 EG TG/30 FR TG has been classified by Underwriters Laboratories as a Class B roofing system over combustible decks. Siplast Paradiene 20 EG TG/30 TG and Paradiene 20 EG TG/Parafor Roof Systems have been classified as Class C roofing systems over combustible, non-combustible, and insulated combustible decks.

Paradiene 20 EG TG meets or exceeds the requirements of ASTM D 6163 Type II, Grade S, and CGSB 37-GP-56M Type 2, Class C, 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 <sup>2</sup> )	
Coverage Weight Per Square:	Min: 96 lb	(4.7 kg/m <sup>2</sup> )	
Roll Length:	Min: 33.5 ft	(10.21 m)	
Roll Width:	Avg: 3.28 ft	(1.00 m)	
Thickness:	Avg: 138 mils	(3.5 mm)	
	Min: 134 mils	(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 in (7.6) and 4 in (10.2) 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 palleted rolls is covered with foiled 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: 23  
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.

*Current copies of all Siplast Commercial Product Data Sheets are posted on the Siplast Canada Web site at [www.Siplast.ca](http://www.Siplast.ca).*

# PARADIENE 20 EG TG

## Physical and Mechanical Properties

<b>Property (as Manufactured)</b>	<b>CGSB Test Method</b>	<b>ASTM Test Method</b>
Roll Size	33.5 ft x 3.38 ft (10.21 m x 1 m)	33.5 ft x 3.38 ft (10.21 m x 1 m)
Thickness (minimum)	N/A	134 mils (3.4 mm)
Thickness (average)	N/A	3.5 mils (138 mm)
Minimum Weight per Roll	N/A	96 lb (43.5 kg)
Low Temperature Flexibility	-22°F (-30°C)	-13°F (-25°C)
<sup>1</sup> Tensile Strength or Peak Load (average)	935 N/5 cm	80 lbf/in (14.1 kN/m)
<sup>1</sup> Elongation at Peak Load (average)	5%	5%
<sup>1</sup> Ultimate Elongation (average)	100%	100%
Static Puncture	> 10 kg	N/A
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.