



# PARADIENE® 20 HT TG

## Commercial Product Data Sheet

Paradiene 20 HT TG is the modified bitumen base ply of the Siplast Paradiene 20 HT TG/30 TG System. Designed for use in homogeneous multi-layer modified bitumen roof membrane systems, Paradiene 20 HT TG consists of a fiberglass scrim/fiberglass mat impregnated and coated with high quality styrene-butadiene-styrene (SBS) modified bitumen blend and is surfaced with a silica parting agent. The back of the sheet is coated with a modified bitumen asphalt layer specifically formulated for torch application, is embossed with a grooved pattern, and is surfaced with a polyolefin burn-off film.

Contact Siplast for information on approved product uses.

#### USES: BASE PLY

Standards	ASTM D6163 Type II, Grade S; CSA A123.23-15 Type A, Grade 3	
Roll Length	Min: 33.5 ft (10.21 m)	
Roll Width	Avg: 39.4 in (1.0 m)	
Coverage	1.0 Square (100.7 ft²) (9.4 m²)	
Coverage Weight Per Square	Min: 75 lb (3.7 kg/m²)	
Laying Lines	3 in (76.2 mm) & 4 in (102 mm) Line Color: Green	
Top Surfacing	Mineral Parting Agent	
Back Surfacing	Polyolefin Burn-off Film	
Product Options	RoofTag	

# PRODUCT INFORMATION

### Application

Refer to the Siplast Technical Guide for detailed application information and slope limitations. Paradiene 20 HT TG is lapped 3 inches (76.2 mm) side and end.



#### Storage and Handling

All Siplast roll roofing products should be stored on end on a clean, flat surface. Rolls should not be dropped on ends or edges or stored in a leaning position. Deformation resulting from these actions will make proper installation difficult. All roofing products should be stored in a dry place out of direct exposure to the elements and should not be double stacked. Material should be handled so that it remains dry prior to and during installation.

See product packaging and the Safety Data Sheet for specific information on the safe handling of this product.

### **Packaging**

Pallet: 41 in x 48 in (104 cm x 122 cm) wooden pallet

Rolls Per Pallet: 25

Pallets Per Truckload (Typical): 18 Minimum Roll Weight: 76 lb (34.5 kg)

#### Listings, Approvals, & Certifications





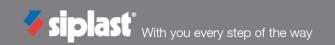




Classified by UL in accordance with ANSI/UL 790. Refer to UL Product iQ for specific assemblies. FM Approved - Refer to RoofNav.com for specific assemblies.

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surveillance. The product has been validated to meet ASTM D6163-08. Type

#### U.S. TEST STANDARDS Property (as Manufactured) Values / Units **Test Method** Thickness (minimum) 110 mils (2.8 mm) ASTM D5147 Section 6 Thickness (average) 114 mils (2.9 mm) ASTM D5147 Section 6 \*Peak Load @ 73.4°F (23°C) (average) 80 lbf/inch (14.1 kN/m) ASTM D5147 Section 7 \*Peak Load @ 0°F (-18°C) (average) ASTM D5147 Section 7 150 lbf/inch (26.5 kN/m) \*Elongation @ Peak Load 73.4°F (23°C) (average) 5% ASTM D5147 Section 7 4% \*Elongation @ Peak Load 0°F (-18°C) (average) ASTM D5147 Section 7 \*Ultimate Elongation @ 73.4°F (23°C) (average) 50% ASTM D5147 Section 7 120 lbf (0.54 kN) ASTM D5147 Section 8 \*Tear Strength (average) Water Absorption (maximum) 1% ASTM D5147 Section 10 **Dimensional Stability (maximum)** 0.1% ASTM D5147 Section 11 Low Temperature Flexibility (maximum) -15°F (-26°C) ASTM D5147 Section 12 Compound Stability (minimum) 250°F (121°C) ASTM D5147 Section 16 Coating Thickness - Back Surface ≥40 mils (1 mm) ASTM D5147 Section 17 Paradiene 30 bonded to Paradiene 20, with an approved method of attachment, passes Cyclic Fatigue ASTM D5849 both as manufactured and after heat conditioning, according to ASTM D5147. The above properties have been validated by PRI and are under continuous \*The value reported is the lower of either MD or XD. PRI

CANADA TEST STANDARDS		
Property (as Manufactured)	Values / Units	Test Method
Thickness (minimum)	2.8 mm (110 mils)	CSA A123.23-15
Thickness (average)	2.9 mm (114 mils)	CSA A123.23-15
*Peak Load @ 23°C (73.4°F) (average)	14.1 kN/m (80 lbf/inch)	CSA A123.23-15
*Peak Load @ -18°C (0°F) (average)	26.5 kN/m (150 lbf/inch)	CSA A123.23-15
*Elongation @ Peak Load 23°C (73.4°F) (average)	5%	CSA A123.23-15
*Elongation @ Peak Load -18°C (0°F) (average)	4%	CSA A123.23-15
*Ultimate Elongation @ 23°C (73.4°F) (average)	55%	CSA A123.23-15
Dimensional Stability	0.1%	CSA A123.23-15
Low Temperature Flexibility (maximum)	-26°C (-15°F)	CSA A123.23-15
Compound Stability (minimum)	121°C (250°F)	CSA A123.23-15
Coating Thickness – Back Surface	≥1 mm (40 mils)	CSA A123.23-15
*The value reported is the lower of either MD or XD.		,

II. Grade S.