



## PARADIENE® 30 MW FR BW

### Commercial Product Data Sheet

Paradiene 30 MW FR BW is a modified bitumen designed for use in homogeneous multi-layer modified bitumen roof membrane systems. Paradiene 30 MW FR BW consists of a special woven fiberglass reinforcement impregnated and coated with high quality styrene-butadiene-styrene (SBS) modified bitumen and is surfaced with highly reflective, white mineral granules.

Contact Siplast for information on approved product uses.

#### USES: FINISH PLY

#### PRODUCT INFORMATION

Standards	ASTM D6163 Type III, Grade G; CSA A123.23-15 Type A, Grade 1
Roll Length	Min: 33.5 ft (10.21 m)
Roll Width	Avg: 3.28 ft (1.00 m)
Coverage	1.0 Square (9.3 m <sup>2</sup> )
Coverage Weight Per Square	Min: 86 lb (4.2 kg/m <sup>2</sup> )
Selvage Width	Avg. 3 in (76 mm) Red laying line is 3 in (76 mm) from the edge of the sheet.
Selvage Surfacing	Silica Parting Agent
Top Surfacing	Bright White Mineral Granules
Back Surfacing	Silica Parting Agent
Product Options	RoofTag

#### Application

Refer to the Siplast Technical Guide for detailed application information and slope limitations. Paradiene 30 MW FR BW is lapped 3 inches (76 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: 18  
Minimum Roll Weight: 86 lb (39 kg)

#### Listings, Approvals, & Certifications



### U.S. TEST STANDARDS

Property (as Manufactured)	Values / Units		Test Method
Thickness (average)	138 mils (3.5 mm)		ASTM D5147 Section 6
*Thickness at Selvage	106 mils (2.7 mm) avg.	102 mils (2.6 mm) min.	ASTM D5147 Section 6
**Peak Load @ 73.4°F (23°C) (average)	500 lbf/inch (87.6 kN/m)		ASTM D5147 Section 7
**Elongation @Peak Load 73.4°F (23°C)	7%		ASTM D5147 Section 7
** Ultimate Elongation @ 73.4°F (23°C)	8%		ASTM D5147 Section 7
**Tear Strength (average)	800 lbf (3.6 kN)		ASTM D5147 Section 8
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
Granule Embedment	1.5 grams per sample Max. avg. loss	2.0 grams per sample Max. individual loss	ASTM D5147 Section 15
Compound Stability (minimum)	250°F (121°C)		ASTM D5147 Section 16
Cyclic Fatigue	Paradiene 30 MW FR BW bonded to an acceptable Paradiene 20 base ply, with an approved method of attachment, passes ASTM D5849 both as manufactured and after heat conditioning according to ASTM D5147.		
*Measured on the selvage edge excluding the granule surfacing.			
**The value reported is the lower of either MD or XD.			

### CANADA TEST STANDARDS

Property (as Manufactured)	Values / Units		Test Method
Thickness (average)	3.5 (138 mils)		CSA A123.23-15
*Thickness at Selvage	2.7 mm (106 mils) avg.	2.6 mm (102 mils) min.	CSA A123.23-15
**Peak Load @ 23°C (73.4°F) (average)	87.6 kN/m (500 lbf/inch)		CSA A123.23-15
**Elongation @ Peak Load 23°C (73.4°F) (average)	7%		CSA A123.23-15
**Ultimate Elongation @ 23°C (73.4°F)	8%		CSA A123.23-15
Dimensional Stability (maximum)	0.1%		CSA A123.23-15
Low Temperature Flexibility (maximum)	-26°C (-15°F)		CSA A123.23-15
Granule Embedment	1.5 grams per sample Max. avg. loss	2.0 grams per sample Max. individual loss	CSA A123.23-15
Compound Stability (minimum)	121°C (250°F)		CSA A123.23-15
Mass Per Unit Area (minimum)	4.2 kg/m <sup>2</sup> (86 lb/sq)		CSA A123.23-15
*Measured on the selvage edge excluding the granule surfacing.			
**The value reported is the lower of either MD or XD.			

### SOLAR REFLECTANCE / THERMAL EMITTANCE

Property (as Manufactured)	Values / MD	Values / XMD	Test Method
Solar Reflectance (avg.)	0.74		ASTM C1549
Thermal Emittance (avg.)	0.91		ASTM C1371
Solar Reflectance Index (avg.)	92		ASTM E1980