



PARADIENE® 30 FR SA BW

Commercial Product Data Sheet

Paradiene® 30 FR SA BW is a modified bitumen finish ply of the Siplast Self-Adhesive System. Designed for use in homogeneous multi-layer modified bitumen roof membrane systems, Paradiene 30 FR SA BW consists of a lightweight random fibrous glass mat impregnated and coated with high-quality styrene-butadiene-styrene (SBS) modified bitumen and surfaced with ceramic granules. The back surface of the sheet is coated with a self-adhesive SBS bitumen layer and is lined with a high-strength polyolefin release film.

Contact Siplast for information on approved product uses.

USES: FINISH PLY

Standards	ASTM D6163 Type I, Grade G; CSA A123.23-15 Type A, Grade 1	
Roll Length	Min: 25.3 ft (7.7 m)	
Roll Width	Avg: 39.4 in (1.0 m)	
Coverage	0.76 Square (75.8 ft ²) (7.0 m ²)	
Coverage Weight Per Square	Min: 105 lb (5.1 kg/m ²)	
Selvage Width	Top Avg: 3 in (79 mm)	Bottom Avg: 3 in (76 mm)
Selvage Surfacing	Polyolefin Burn-Off Film	
Top Surfacing	Bright White Mineral Granules	
Back Surfacing	Polyolefin Release Film	

PRODUCT INFORMATION

Application

Refer to the applicable Siplast Technical Guide for detailed application information and slope limitations. Paradiene 30 FR SA BW is lapped 3 inches (76 mm) side and end.



Storage and Handling

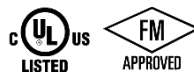
All Siplast roll roofing products should be stored on end on a clean, flat surface. Rolls should not be dropped on ends or edges or stored in a leaning position. Deformation resulting from these actions will make proper installation difficult. All roofing products should be stored in a dry place out 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: 79 lb (37.0 kg)
 Max Pallet Weight (Typical): 2375 lb (1077 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.
 Meets or Exceeds CSA A123.23.

Current copies of all Siplast Commercial Product Data Sheets & Safety Data Sheets are posted on our website at www.siplast.com
 Rev Date 5/2024

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		125 mils (3.2 mm) avg.	114 mils (2.9 mm) min.	ASTM D5147 Section 6
**Peak Load	@ 73.4°F (23°C) (average)	30 lbf/inch (5.3 kN/m)		ASTM D5147 Section 7
	@ 0°F (-18°C) (average)	75 lbf/inch (13.2 kN/m)		
**Elongation @ Peak Load	@ 73.4°F (23°C) (average)	3%		ASTM D5147 Section 7
	@ 0°F (-18°C) (average)	3%		
**Ultimate Elongation @ 73.4°F (23°C) (average)		80%		ASTM D5147 Section 7
**Tear Strength (average)		40 lbf (0.18 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
Coating Thickness – Back Surface		≥40 mils (1 mm)		ASTM D5147 Section 17
Cyclic Fatigue		Paradiene 30 finish ply bonded to Pro Base ply, with an approved method of attachment, passes ASTM D5849 both as manufactured and after heat conditioning, according to ASTM D5147.		

CANADIAN TEST STANDARDS

Property (as Manufactured)		CSA A123.23 Requirement	Tested Value			
Thickness, min. – mm (mils)		2.4 (95)	3.3 (130)			
*Selvage Thickness, min. – mm (mils)		2.0 (80)	2.9 (94)			
Mass Per Unit Area, min – kg/m ² (lbs/100 ft ²)		3.2 (65)	4.8 (98)			
Back Surface Coating Thickness, min. – mm (mils)		1.0 (40)	1.0 (40)			
			Before Heat Conditioning MD/XD		After Heat Conditioning MD/XD	
Strain Energy, min. – kN/m (lbf/in)	@ 23 ± 2°C (73.4 ± 3.6°F)	See Tested Value	1.0 (5.7)	0.9 (5.1)	0.6 (3.4)	0.5 (2.9)
	@ -18 ± 2°C (-0.4 ± 3.6°F)		0.7 (4.0)	0.8 (4.6)	0.5 (2.9)	0.5 (2.9)
Peak Load, min. – kN/m (lbf/in)	@ 23 ± 2°C (73.4 ± 3.6°F)	5.3 (30)	8.6 (49)	6.7 (38)	11 (63)	7.4 (42)
	@ -18 ± 2°C (-0.4 ± 3.6°F)	12.3 (70)	14.9 (85)	13.2 (75)	17.1 (98)	13.1 (75)
Elongation @ Peak Load, %	@ 23 ± 2°C (73.4 ± 3.6°F)	2	4	4	4	3
	@ -18 ± 2°C (-0.4 ± 3.6°F)	1	5	5	5	5
Ultimate Elongation @ 23 ± 2°C (73.4 ± 3.6°F), %		3	57	58	25	26
Dimensional Stability, max., %		0.5	0.2	0.2	0.2	0.2
Low Temperature Flexibility, max. – °C (°F)		-18 (-0.4)	-18 (-0.4)	-18 (-0.4)	-18 (-0.4)	-18 (-0.4)
Low Temperature Weathered Flexibility, max. – °C (°F)		-12 (10)	-12 (10)	-12 (10)	-12 (10)	-12 (10)
Compound Stability, min. – °C (°F)		91 (195)	91 (195)	91 (195)	91 (195)	91 (195)
Resistance to Puncture		N/A	N/A			
Granule Loss (Grade 1 only), max. – g (oz)		2.0 (0.07)	Pass			

Data is based upon typical product performance and is subject to normal manufacturing and packaging tolerance and variation.

*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	Test Method
Solar Reflectance (avg.)	0.74	ASTM C1549
Thermal Emittance (avg.)	0.91	ASTM C1371
Solar Reflectance Index (avg.)	92	ASTM E1980