



**USES:  
FINISH PLY  
FLASHING SHEET**

## PARATECH 250 CAP

### Commercial Product Data Sheet

Paratech 250 Cap is a modified bitumen finish ply of the Paratech two-ply modified bitumen roof system. Designed for use in homogeneous multi-layer modified bitumen roof membrane systems, Paratech 250 Cap consists of a 250-gram polyester mat impregnated and coated with styrene-butadiene-styrene (SBS) modified bitumen blend and is surfaced with roofing granules.

Contact Siplast for information on approved product uses.

## PRODUCT INFORMATION

### Application

Refer to the Siplast specifications for detailed application information and slope limitations. Paratech 250 Cap is lapped 3 inches (76 mm) side and end.



### Storage and Handling

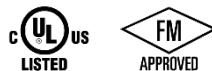
All Siplast roll roofing products should be stored on end on a clean flat surface. Rolls should not be dropped on ends or edges or stored in a leaning position. Deformation resulting from these actions will make proper installation difficult. All roofing products should be stored in a dry place out of 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

	10 M	8 M
Roll Weight (Nominal):	120 lb (54 kg)	100 lb (45 kg)
Pallets Per Truckload (Typical):	20	25
Max Pallet Weight (Typical):	2660 lbs (1207 kg)	2825 lbs (1281 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.

	10 M	8 M*
Standards	ASTM D6164 Type II, Grade G; CSA A123.23-15 Type B, Grade 1	
Roll Length (nominal)	32.8 ft (10 m)	26.0 ft (8 m)
Roll Width (nominal)	39.4 in (1.0 m)	39.4 in (1.0 m)
Coverage Per Roll (Typical with 3" Side & End Laps)	0.980 Squares (98.0 ft <sup>2</sup> ) (9.1 m <sup>2</sup> )	0.781 Squares (78.1 ft <sup>2</sup> ) (7.3 m <sup>2</sup> )
Coverage Weight Per Square (nominal)	122.4 lb (6.0 kg/m <sup>2</sup> )	128.0 lb (6.2 kg/m <sup>2</sup> )
Selvage Width (nominal)	3 in (76 mm)	
Top Surfacing	Roofing Granules	
Back Surfacing	Silica Parting Agent	
Color & Surfacing*	White A-720, White I-720, Bright White (BW), Gray A-9, Gray I-760	

\*Available in Canada in limited colors. Contact your local Siplast Representative for more details.

Current copies of all Siplast Commercial Product Data Sheets are posted on our website at [www.siplast.com](http://www.siplast.com)  
Rev Date 10/2024

### U.S. TEST STANDARDS

Property (as Manufactured)	Values / MD	Values / XMD	Test Method
Thickness (average)	157.5 mils (4.0 mm)		ASTM D5147
Peak Load @ 73.4°F (23°C) (average)	135 lbf/in	100 lbf/in	ASTM D5147
Peak Load @ 0°F (-18°C) (average)	160 lbf/in	110 lbf/in	ASTM D5147
Elongation @ Peak Load 73.4°F (23°C) (average)	55%	60%	ASTM D5147
Elongation @ Peak Load 0°F (-18°C) (average)	30%	35%	ASTM D5147
Ultimate Elongation 73.4°F (23°C)	60%	75%	ASTM D5147
Tear Strength (average)	165 lbf	120 lbf	ASTM D5147
Water Absorption (maximum)	1%		ASTM D5147
Low Temperature Flexibility (maximum)	-15°F (-26°C)	-15°F (-26°C)	ASTM D5147
Dimensional Stability (maximum)	<0.5%	<0.5%	ASTM D5147
Compound Stability (minimum)	240°F (116°C)		ASTM D5147
Granule Embedment	1.5 grams per sample Max. avg. loss		ASTM D5147
	2.0 grams per sample Max. individual loss		

### CANADIAN TEST STANDARDS

Property (as Manufactured)		CAS A123.23 Requirement	Test Performance			
Thickness – mm (mils)		3.3 (130)	3.9 (153)			
*Selvage Thickness – mm (mils)		2.2 (85)	2.7 (106)			
Mass Per Unit Area – kg/m <sup>2</sup> (lbs/100 ft <sup>2</sup> )		3.7 (75)	5.1 (105)			
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)	5.5 (31)	5.5 (31)	5.5 (31)	5.5 (31)	5.5 (31)
	@ -18 ± 2°C (-0.4 ± 3.6°F)	3.0 (17)	3.0 (17)	3.0 (17)	3.0 (17)	3.0 (17)
Peak Load, min. – kN/m (lbf/in)	@ 23 ± 2°C (73.4 ± 3.6°F)	See Tested Value	24.0 (137)	19.8 (113)	26.8 (153)	20.7 (118)
	@ -18 ± 2°C (-0.4 ± 3.6°F)		36.6 (209)	32.9 (188)	32.9 (188)	29.1 (166)
Elongation @ Peak Load, %	@ 23 ± 2°C (73.4 ± 3.6°F)	See Tested Value	61	67	58	71
	@ -18 ± 2°C (-0.4 ± 3.6°F)		56	67	56	63
Ultimate Elongation @ 23 ± 2°C (73.4 ± 3.6°F), %		See Tested Value	66	73	62	76
Dimensional Stability, max., %		1.0	1.0	1.0	1.0	1.0
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)		102 (215)	116 (240)	116 (240)	116 (240)	116 (240)
Resistance to Puncture		Pass	Pass			
Granule Loss (Grade 1 only), max. – g (oz)		2.0 (0.07)	1.9 (0.07)			

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.

**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

\*Only applies to Bright White (BW) granule surfaced rolls.