



PARATECH GLASS CAP FR

Commercial Product Data Sheet

Paratech Glass Cap FR 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 Glass Cap FR consists of a lightweight random fibrous glass mat impregnated and coated with high quality styrene-butadiene-styrene (SBS) modified bitumen blend and is surfaced with roofing granules. Approved for use as a protection course in the PA-750 Hot Applied Rubberized Asphalt system.

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 (nominal)	32.6 ft (10 m)		
Roll Width (nominal)	3.28 ft (1.0 m)		
Coverage Per Roll (Typical with 3" Side & End Laps)	0.986 Squares (98.6 ft²) (9.2 m²)		
Coverage Weight Per Square (nominal)	97.9 lb (4.8 kg/m²)		
Selvedge Width (nominal)	3.23 in (82 mm)		
Top Surfacing	Roofing Granules		
Back Surfacing	Mineral Parting Agent		
Granule Colors	White A-720, White I-720, Bright White (BW), Gray A-9, Gray I-760		

PRODUCT INFORMATION

Application

Refer to the Siplast specifications for detailed application information and slope limitations. Paratech Glass Cap FR 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.

Packaging

Roll Weight (Nominal): 96 lb (44 kg)

Max Pallet Weight (Typical): 3060 lbs (1388 kg)

Pallets Per Truckload (Typical): 16

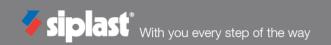
Listings, Approvals, & Certifications





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 are posted on our website at www.siplast.com
Rev Date 2/2025



U.S. TEST STANDARDS

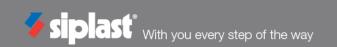
Property (as Manufactured)	Values / MD	Values / XMD	Test Method	
Thickness (average)	140 mils	ASTM D5147		
Peak Load @ 73.4°F (23°C) (average)	verage) 50 lbf/in (8.8 kN/m) 40 lbf/in (7 kN/m)		ASTM D5147	
Peak Load @ 0°F (-18°C) (average)	115 lbf/in (20.1 kN/m) 100 lbf/in (17.6 kN/m)		ASTM D5147	
Elongation @ Peak Load 73.4°F (23°C) (average)	5%	5%	ASTM D5147	
Elongation @ Peak Load 0°F (-18°C) (average)	4%	4%	ASTM D5147	
Ultimate Elongation 73.4°F (23°C)	25%	35%	ASTM D5147	
Tear Strength (average)	40 lbf (0.18 kN)	40 lbf (0.18 kN)	ASTM D5147	
Water Absorption (maximum)	1	ASTM D5147		
Low Temperature Flexibility (maximum)	0°F (-18°C)	0°F (-18°C)	ASTM D5147	
Dimensional Stability (maximum)	0.2%	0.2%	ASTM D5147	
Compound Stability (minimum)	225°F	ASTM D5147		
Cronula Embadment	1.5 grams Max. a	ASTM D5147		
Granule Embedment	2.0 grams Max. indi			

CANADIAN TEST STANDARDS

Property (as Manufactured)		CSA A123.23 Requirement	Tested Value				
Thickness – mm (mils)	Thickness – mm (mils)		3.4 (134)				
*Selvage Thickness – mm (mils)		2.0 (80)	2.2 (87)				
Mass Per Unit Area – kg/m² (lbs/100 ft²)		3.2 (65)	4.8 (98)				
Back Surface Coating Thickness, min. – mm (mils)		1.0 (40)	1.0 (40)				
			Before Heat Conditioning MD/XD		Condi	After Heat Conditioning MD/XD	
Strain Energy, min. – kN/m (lbf/in)	@ 23 ± 2°C (73.4 ± 3.6°F)	See Tested Value	0.5 (2.9)	0.5 (2.9)	0.5 (2.9)	0.5 (2.9)	
	@-18 ± 2°C (-0.4 ± 3.6°F)		0.3 (1.7)	0.3 (1.7)	0.3 (1.7)	0.3 (1.7)	
Peak Load, min. – kN/m (lbf/in)	@ 23 ± 2°C (73.4 ± 3.6°F)	5.3 (30)	13.5 (77)	9.5 (54)	88 (503)	62 (354)	
	@-18 ± 2°C (-0.4 ± 3.6°F)	5.3 (30)	22.2 (127)	14.2 (81)	23.8 (136)	16.6 (95)	
Elongation @ Peak Load, %	@ 23 ± 2°C (73.4 ± 3.6°F)	2	4	4	3	3	
	@-18 ± 2°C (-0.4 ± 3.6°F)	1	4	4	5	4	
Ultimate Elongation @ 23 ± 2°C (73.4 ± 3.6°F), %		3	41	44	9	11	
Dimensional Stability, max., %		0.5	0.5	0.5	0.5	0.5	
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	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	Test Method
**Solar Reflectance (avg.)	0.74	ASTM C1549
**Thermal Emittance (avg.)	0.91	ASTM C1371
**Solar Reflectance Index (avg.)	92	ASTM E1980

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^{**}Only applies to Bright White (BW) granule surfaced rolls.