



Standards

Roll Length (nominal)

Roll Width

(nominal)

Coverage Per Roll (Typical with 3" Side & End Laps)

Coverage Weight

Per Square

(nominal)

Selvedge Width

(nominal)

Top Surfacing

Back Surfacing

Granule Colors

PARATECH GLASS CAP FR TG

Commercial Product Data Sheet

Paratech Glass Cap FR TG 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 TG consists of a lightweight random fibrous glass mat impregnated and coated with a styrene-butadiene-styrene (SBS) modified bitumen blend. The top surface is covered with roofing granules and the back surface is coated with an SBS modified bitumen adhesive layer specifically formulated for torch applications with a polyolefin burn-off film bottom surface.

Contact Siplast for information on approved product uses.

USES: FINISH PLY

ASTM D6163 Type I, Grade G;

CSA A123.23-15 Type A, Grade 1

32.6 ft

(10 m)

39.4 in

(1.0 m)

0.986 Squares (98.6 ft²)

(9.2 m²)

107.1 lb

(5.2 kg/m²)

2.95 in

(75 mm)

Roofing Granules

Polyolefin Burn-off Film

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 TG 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

Roll Weight (Nominal): 105 lb (48 kg)

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

Pallets Per Truckload (Typical): 16

Listings, Approvals, & Certifications



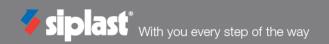


Classified by UL in accordance with ANSI/UL 790. Refer to UL Product iQ for specific assemblies. FM Approved - Refer to RoofNav.com for specific assemblies.

Meets or Exceeds CSA A123.23. Current copies of all Siplast Commercial Product Data Sheets & Safety Data Sheets are posted on our website at www.siplast.com

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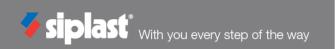
U.S. TEST STANDARDS

Property (as Manufactured)	Values / MD	Values / XMD	Test Method	
Thickness (average)	140 mils	140 mils (3.5 mm)		
Peak Load @ 73.4°F (23°C) (average)	50 lbf/inch	40 lbf/inch	ASTM D5147	
Peak Load @ 0°F (-18°C) (average)	115 lbf/in (20.14 kN/m)	100 lbf/in (17.51 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		
Granule Embedment	Max. a	1.5 grams per sample Max. avg. loss 2.0 grams per sample		
	Max. indi			

CANADIAN TEST STANDARDS

Property (as I	Manufactured)	Units	CAS A123.23 Requirement	Test Method	Test Performance
Thickness (minimum)		mm (mils)	2.4 (95)	ASTM D5147	3.8 (152)
Selvage Thickness (minimu	m)	mm (mils)	2.0 (80)	ASTM D5147	2.5 (98)
Mass Per Unit Area (minimu	ım)	kg/m² (lb/100 ft²)	3.2 (65)	ASTM D5147	5.2 (107)
Back Surface Coating Thick	kness (minimum)	mm (mils)	1.0 (40)	ASTM D5147	1.0 (40)
*Strain Energy (Before After Heat Conditioning)	@ 23 ± 2°C (73.4 ± 3.6°F)	kN/m (lbf/in)	See Tested Value	CSA A123.23	>0.5 (>2.9)
	@ -18 ± 2°C (-0.4 ± 3.6°F)				>0.3 (>1.7)
*Peak Load (Before and After Heat Conditioning)	@ 23 ± 2°C (73.4 ± 3.6°F)	kN/m (lbf/in)	5.3 (30)	ASTM D5147	>6.6 (>38)
	@ -18 ± 2°C (-0.4 ± 3.6°F)		12.3 (70)		>17 (>97)
*Elongation @ Peak Load (Before and After Heat Conditioning)	@ 23 ± 2°C (73.4 ± 3.6°F)	%	2	ASTM D5147	>4
	@ -18 ± 2°C (-0.4 ± 3.6°F)		1		>3
*Ultimate Elongation, (Before Conditioning), @ 23 ± 2°C (7)		%	3	ASTM D5147	>25
Dimensional Stability (maxi	mum)	%	0.5	ASTM D5147	0.5
Low Temperature Flexibility	/ (maximum)	°C (°F)	-18 (-0.4)	ASTM D5147	-18 (-0.4)
Low Temperature Weathere	ed Flexibility (maximum)	°C (°F)	-12 (10)	ASTM D5147	-12 (10)
Compound Stability (minim	um)	°C (°F)	91 (195)	ASTM D5147	91 (195)
Resistance to Puncture		N/A	N/A	CSA A123.23	N/A
Granule Loss		g (oz)	2.0 (0.07)	ASTM D5147	<2.0 (<0.07)

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

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