


**USES:
FINISH PLY**

PARATECH GLASS CAP FR

Commercial Product Data Sheet

Paratech Glass Cap FR is the 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.

Contact Siplast for information on approved product uses.

PRODUCT INFORMATION

Standards	ASTM D6163 Type I, Grade G; CSA A123.23-15 Type A, Grade 1
Roll Length (nominal)	32.8 ft (10 m)
Roll Width (nominal)	3.28 ft (1.0 m)
Coverage Per Roll (Typical with 3" Side & End Laps)	0.979 Squares (9.1 m ²)
Coverage Weight Per Square (nominal)	98 lb (4.78 kg/m ²)
Selvage Width (nominal)	3 in (76 mm)
Top & Back Surfacing	Roofing Granules Mineral Parting Agent

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

Pallet: 41 in x 48 in (104 cm x 122 cm) wooden pallet
Rolls Per Pallet: 25
Pallets Per Truckload: 16
Roll Weight (Nominal): 96 lb (43.5 kg)

Listings, Approvals, & Certifications



U.S. TEST STANDARDS

Property (as Manufactured)	Values / MD	Values / XMD	Test Method
Thickness (average)	140 mils (3.5 mm)		ASTM D5147
Peak Load @ 73.4°F (23°C) (average)	50 lbf/in 8.75 kN/m	40 lbf/in 7 kN/m	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)	4%	4%	ASTM D5147
Elongation @ Peak Load 0°F (-18°C) (average)	5%	5%	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 (107°C)		ASTM D5147

CANADA TEST STANDARDS

Property (as Manufactured)	Values / MD	Values / XMD	Test Method
Thickness (average)	3.5 mm (140 mils)		CSA A123.23-15
Strain Energy 23°C (73.4°F) (minimum)	0.5 kN/m	0.5 kN/m	CSA A123.23-15
Strain Energy -18°C (0°F) (minimum)	0.4 kN/m	0.4 kN/m	CSA A123.23-15
Peak Load @ 23°C (73.4°F) (average)	8.8 kN/m	7.0 kN/m	CSA A123.23-15
Peak Load @ -18° (0°F) (average)	20.1 kN/m	17.6 kN/m	CSA A123.23-15
Elongation @ Peak Load 23°C (73.4°F) (average)	4%	4%	CSA A123.23-15
Elongation @ Peak Load -18°C (0°F) (average)	3%	3%	CSA A123.23-15
Ultimate Elongation 23°C (73.4°F)	15%	25%	CSA A123.23-15
Low Temperature Flexibility (maximum)	-18°C (0°F)	-18°C (0°F)	CSA A123.23-15
Dimensional Stability (maximum)	0.2%	0.2%	CSA A123.23-15
Compound Stability (minimum)	107°C (225°F)		CSA A123.23-15