PARATECH GLASS SA

Commercial Product Data Sheet

Paratech Glass SA is a modified bitumen roofing ply. Designed for use in homogeneous multi-layer modified bitumen roof membrane systems, Paratech Glass SA consists of a lightweight random fibrous glass mat impregnated and coated with styrene-butadiene-styrene (SBS) modified bitumen blend. The bottom surface is coated with a self-adhesive bitumen blend protected with a release film and is the top surfaced with a mineral parting agent. 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:
ROOFING PLY
TEMPORARY ROOF
VAPOR RETARDER

Standards	ASTM D4601 ASTM D1970
Roll Length (nominal)	66.3 ft (20.20 m)
Roll Width (nominal)	3.28 ft (1.0 m)
Coverage Per Roll (Typical with 3" Side & End Laps)	2 Squares (200 ft²) (18.6 m²)
Coverage Weight Per Square (nominal)	49 lb (2.4 kg/m²)
Selvage Width (nominal)	3.11 in (79 mm)
Top Surfacing	Mineral Parting Agent
Back Surfacing	Release Film

PRODUCT INFORMATION

Application

Refer to the Siplast specifications for detailed application information and slope limitations. Paratech Glass SA 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): 98 lb (44.5 kg)

Max Pallet Weight (Typical): 2525 lbs (1145 kg)
Pallets Per Truckload (Typical): 18

Listings, Approvals, & Certifications

c UL us LISTED FM APPROVED

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.

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PARATECH GLASS SA
Physical and Mechanical Properties

siplast® With you every step of the way

U.S. TEST STANDARDS

Property (as Manufactured)	Values / Units	Test Method
Thickness (average)	67 mils (1.7 mm)	ASTM D5147 Section 6
*Peak Load @ 73.4ºF (23ºC) (average)	30 lbf/inch (5.3 kN/m)	ASTM D5147 Section 7
*Peak Load @ 0ºF (-18ºC) (average)	75 lbf/inch (13.2 kN/m)	ASTM D5147 Section 7
*Elongation @ Peak Load 73.4ºF (23ºC) (average)	3%	ASTM D5147 Section 7
*Elongation @ Peak Load 0ºF (-18ºC) (average)	3%	ASTM D5147 Section 7
*Ultimate Elongation @ 73.4ºF (23ºC) (average)	30%	ASTM D5147 Section 7
Tear Strength (average)	40 lbf (0.18 kN)	ASTM D5147 Section 8
Water Absorption (maximum)	1%	ASTM D5147 Section 10
Water Vapor Permeance (average)	≤0.1 US Perms	ASTM E96 Procedure BW
Low Temperature Flexibility (maximum)	-0.4ºF (-18 ºC)	ASTM D5147 Section 12
Dimensional Stability (maximum)	0.1%	ASTM D5147 Section 11
**Compound Stability (minimum)	215°F (102°C)	ASTM D5147 Section 16

*The value reported is the lower of either MD or XD.
**The high temperature stability of the self-adhesive bitumen coating is 212°F (100°C).

CANADA TEST STANDARDS

Property (as Manufactured)	Values / Units	Test Method
Thickness (average)	1.7 mm (67 mils)	CSA A123.23-15
*Peak Load @ 23ºC (73.4ºF) (average)	5.3 kN/m (30 lbf/inch)	CSA A123.23-15
*Peak Load @ -18ºC (0ºF) (average)	13.2 kN/m (75 lbf/inch)	CSA A123.23-15
*Elongation @ Peak Load 23ºC (73.4ºF) (average)	3%	CSA A123.23-15
*Elongation @ Peak Load -18ºC (0ºF) (average)	3%	CSA A123.23-15
*Ultimate Elongation @ 23ºC (73.4ºF) (average)	30%	CSA A123.23-15
Tear Strength (average)	0.18 kN (40 lbf)	CSA A123.23-15
Water Absorption (maximum)	1%	CSA A123.23-15
Water Vapor Permeance (average)	≤5.7 ng/Pa•s•m²	ASTM E96 Procedure BW
Low Temperature Flexibility (maximum)	-18 ºC (-0.4ºF)	CSA A123.23-15
Dimensional Stability (maximum)	0.1%	CSA A123.23-15
**Compound Stability (minimum)	102°C (215°F)	CSA A123.23-15

*The value reported is the lower of either MD or XD.
**The high temperature stability of the self-adhesive bitumen coating is 100°C (212°F).