



USES:
BASE PLY
FLASHING REINFORCING SHEET

PARATECH 180 BASE TG

Commercial Product Data Sheet

Paratech 180 Base TG is a modified bitumen base ply of the Paratech two-ply modified bitumen roof system. Designed for use in homogeneous multi-layer modified bitumen roof membrane systems, Paratech 180 Base TG consists of a 180-gram polyester mat impregnated and coated with styrene-butadiene-styrene (SBS) modified bitumen. The top surface is covered with a mineral parting agent and the back surface is coated with an SBS modified bitumen adhesive layer specifically formulated for torch application, is embossed with a grooved pattern, and is surfaced with a polyolefin burn off film. Approved for use as a protection course in the PA-750 Hot Applied Rubberized Asphalt system.

Contact Siplast for information on approved product uses.

PRODUCT INFORMATION

Application

Refer to the Siplast specifications for detailed application information and slope limitations. Paratech 180 Base 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): 80 lb (36 kg)

Max Pallet Weight (Typical): 2348 lbs (1065 kg)

Pallets Per Truckload (Typical): 21

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.

Standards	ASTM D6164 Type I, Grade S; CSA A123.23-15 Type B, Grade 3
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)	0.986 Squares (9.2 m ²)
Coverage Weight Per Square (nominal)	81.1 lb (4.0 kg/m ²)
Laying Lines (nominal)	3 in (76 mm) Line Color: White
Top Surfacing	Mineral Parting Agent
Back Surfacing	Polyolefin Burn-off Film

U.S. TEST STANDARDS

Property (as Manufactured)	Values / MD	Values / XMD	Test Method
Thickness (average)	118 mils (3.0 mm)		ASTM D5147
Peak Load @ 73.4°F (23°C) (average)	85 lbf/in	65 lbf/in	ASTM D5147
Peak Load @ 0°F (-18°C) (average)	115 lbf/in	90 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)	35%	40%	ASTM D5147
Ultimate Elongation 73.4°F (23°C)	65%	80%	ASTM D5147
Tear Strength (average)	125 lbf	85 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

CANADIAN TEST STANDARDS

Property (as Manufactured)		CAS A123.23 Requirement	Test Performance			
Thickness – mm (mils)		2.2 (85)	2.9 (114)			
*Selvage Thickness – mm (mils)		2.2 (85)	2.9 (114)			
Mass Per Unit Area – kg/m ² (lbs/100 ft ²)		2.6 (53)	4.0 (81)			
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	16.8 (96)	10.2 (58)	18.6 (106)	9.6 (55)
	@ -18 ± 2°C (-0.4 ± 3.6°F)		21.4 (122)	13.3 (76)	22.1 (126)	13.0 (74)
Elongation @ Peak Load, %	@ 23 ± 2°C (73.4 ± 3.6°F)	See Tested Value	50	53	43	43
	@ -18 ± 2°C (-0.4 ± 3.6°F)		39	39	40	38
Ultimate Elongation @ 23 ± 2°C (73.4 ± 3.6°F), %		See Tested Value	62	70	45	47
Dimensional Stability, max., %		1.0	1.0	1.0	1.0	1.0
Low Temperature Flexibility, max. – °C (°F)		-18 (-0.4)	-26 (-15)	-26 (-15)	-26 (-15)	-26 (-15)
Low Temperature Weathered Flexibility, max. – °C (°F)		N/A	N/A			
Compound Stability, min. – °C (°F)		102 (215)	116 (240)	116 (240)	116 (240)	116 (240)
Resistance to Puncture		N/A	N/A			
Granule Loss (Grade 1 only), max. – g (oz)		N/A	N/A			

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.