



**USES:
BASE PLY
FLASHING REINFORCING SHEET**

PARATECH 180 BASE

Commercial Product Data Sheet

Paratech 180 Base is a modified bitumen base ply of the Paratech two-ply modified bitumen roof system. Designed for use in multi-layer modified bitumen roof membrane systems, Paratech 180 Base consists of a 180-gram polyester mat impregnated and coated with a styrene-butadiene-styrene (SBS) modified bitumen blend and surfaced top and bottom with a mineral parting agent.

Contact Siplast for information on approved product uses.

PRODUCT INFORMATION

Application

Refer to Siplast specifications for detailed application information and slope limitations. Paratech 180 Base is lapped 3 inches (76.2 mm) side and end in adhered application. In mechanically attached applications, Paratech 180 Base is lapped 4 inch (101.6 mm) side and 4 inch (101.6 mm) end.



Storage and Handling

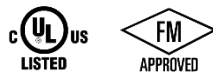
All Siplast roll roofing products should be stored on end on a clean flat surface. Rolls should not be dropped on ends or edges or stored in a leaning position. Deformation resulting from these actions will make proper installation difficult. All roofing products should be stored in a dry place out of 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): 93 lb (42.2 kg)
Rolls Per Pallet: 25
Pallets Per Truckload (Typical): 20
Max Pallet Weight (Typical): 2500 lbs (1134 kg)

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

Standards	ASTM D 6164 Type I, Grade S; CSA A123.23-15 Type B, Grade 3	
Roll Length (nominal)	49.2 ft (15 m)	
Roll Width (nominal)	39.4 in (100 cm)	
Coverage Per Roll (Typical)	3" Side: 1.48 Squares (148.3 ft ²) (13.8 m ²)	4" Side: 1.44 Squares (144.0 ft ²) (13.4 m ²)
Coverage Weight Per Square (nominal)	62.7 lb (3.1 kg/m ²)	64.6 lb (3.2 kg/m ²)
Laying Lines (nominal)	3 in (76.2 mm) & 4 in (101.6 mm) Line Color: White	
Top Surfacing	Mineral Parting Agent	
Back Surfacing	Mineral Parting Agent	

U.S. TEST STANDARDS

Property (as Manufactured)	Values / MD	Values / XMD	Test Method
Thickness (average)	90 mils (2.3 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
Cyclic Fatigue	Paratech 180 Base bonded to an acceptable Paratech cap sheet, with an approved method of attachment, passes ASTM D5849 both as manufactured and after heat conditioning, according to ASTM D5147.		

CANADIAN TEST STANDARDS

Property (as Manufactured)	Units	CAS A123.23 Requirement	Test Method	Test Performance
Thickness (minimum)	mm (mils)	2.2 (85)	ASTM D5147	2.2 (85)
Selvage Thickness (minimum)	mm (mils)	2.2 (85)	ASTM D5147	2.2 (85)
Mass Per Unit Area (minimum)	kg/m ² (lb/100 ft ²)	2.6 (53)	ASTM D5147	3.1 (62)
Back Surface Coating Thickness (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)	5.5 (31)	CSA A123.23	>5.5 (>31)
	@ -18 ± 2°C (-0.4 ± 3.6°F)	3.0 (17)		>3.0 (>17)
*Peak Load (Before and After Heat Conditioning)	@ 23 ± 2°C (73.4 ± 3.6°F)	See Tested Value	ASTM D5147	>11 (>63)
	@ -18 ± 2°C (-0.4 ± 3.6°F)			>15 (>86)
*Elongation @ Peak Load (Before and After Heat Conditioning)	@ 23 ± 2°C (73.4 ± 3.6°F)	See Tested Value	ASTM D5147	>54
	@ -18 ± 2°C (-0.4 ± 3.6°F)			>34
*Ultimate Elongation, (Before and After Heat Conditioning), @ 23 ± 2°C (73.4 ± 3.6°F)	%	See Tested Value	ASTM D5147	>64
Dimensional Stability (maximum)	%	1.0	ASTM D5147	1.0
Low Temperature Flexibility (maximum)	°C (°F)	-18 (-0.4)	ASTM D5147	-26 (-15)
Low Temperature Weathered Flexibility (maximum)	°C (°F)	N/A	ASTM D5147	N/A
Compound Stability (minimum)	°C (°F)	102 (215)	ASTM D5147	102 (215)
Resistance to Puncture	N/A	N/A	CSA A123.23	N/A
Granule Loss	g (oz)	N/A	ASTM D5147	N/A

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.