PARATECH 180 BASE 3.0

Commercial Product Data Sheet

Paratech 180 Base 3.0 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 3.0 consists of a 180-gram polyester mat impregnated and coated with a styrene-butadiene-styrene (SBS) modified bitumen blend and is surfaced with a mineral parting agent.

Contact Siplast for information on approved product uses.

USES:
BASE PLY
FLASHING SHEET

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 m²)
Coverage Weight Per Square (nominal)	84.2 lb (4.1 kg/m²)
Laying Lines (nominal)	3 in (76 mm) Line Color: White
Top Surfacing	Mineral Parting Agent
Back Surfacing	Silica Parting Agent

PRODUCT INFORMATION

Application

Refer to the Siplast specifications for detailed application information and slope limitations. Paratech 180 Base 3.0 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): 83 lb (38 kg)

Max Pallet Weight (Typical): 2355 lbs (1068 kg)
Pallets Per Truckload (Typical): 20

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.
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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Physical and Mechanical Properties

siplast® With you every step of the way

U.S. TEST STANDARDS

Property (as Manufactured)	Values / MD	Values / XMD	Test Method
Thickness (average)	118 mils (3.0 mm)		ASTM D5147
Peak Load @ 73.4ºF (23ºC) (average)	85 lbf/in	65 lbf/in	ASTM D5147
Peak Load @ 0ºF (-18ºC) (average)	115 lbf/in	90 lbf/in	ASTM D5147
Elongation @ Peak Load 73.4ºF (23ºC) (average)	55%	60%	ASTM D5147
Elongation @ Peak Load 0ºF (-18ºC) (average)	35%	40%	ASTM D5147
Ultimate Elongation 73.4ºF (23ºC)	65%	80%	ASTM D5147
Tear Strength (average)	125 lbf	85 lbf	ASTM D5147
Water Absorption (maximum)	1%		ASTM D5147
Low Temperature Flexibility (maximum)	-15ºF (-26ºC)	-15ºF (-26ºC)	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)		Units	CAS A123.23 Requirement	Test Method	Test Performance
Thickness (minimum)		mm (mils)	2.2 (85)	ASTM D5147	2.9 (114)
Selvage Thickness (minimum)		mm (mils)	2.2 (85)	ASTM D5147	2.9 (114)
Mass Per Unit Area (minimum)		kg/m^2 (lb/100 ft^2)	2.6 (53)	ASTM D5147	4.0 (81)
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)	kN/m (lbf/in)	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)	kN/m (lbf/in)	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	116 (240)
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.

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