



### Physical Properties

-Thickness	0.120 inches (3.0 mm) ± 10%	-Thickness	3.0mm (120 mils)
-Tensile Strength @ 0°F		-Roll Length	32.9 ft.
Machine Direction	100 lbf/inch	-Roll Width	39 3/8"
Cross Machine Direction	80 lbf/inch	-Gross Coverage	107.6 ft²
-Elongation @ 0°F		-Net Coverage	98 ft²
Machine Direction	40%		
Cross Machine Direction	37%		
-Tensile Tear			
Machine Direction	100 lbf/inch		
Cross Machine Direction	70 lbf/inch		
-Low Temperature Flexibility			
Machine Direction	0°F		
Cross Machine Direction	0°F		
-Dimensional Stability			
Machine Direction	<0.5%		
Cross Machine Direction	<0.5%		
-Top Surface	Polyethylene		
-Bottom Surface	Polyethylene		
<p>-----</p> <p>Manufactured and Tested in accordance with ASTM D5147: Standard Test Method for Sampling and Testing of Modified Bitumen Roof Membranes and/or Manufactured to meet ASTM D6164, Type I, Grade S.</p>			

### Approvals & Certifications

<p>UL listed for Class A and B fire rated roof coverings.</p> <p>FM approved. Subject to the conditions of approval as a roof coating when installed as described in the current edition of the FMRC approval guide.</p> <p>Consult UL and FM listings.</p>	 
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### Uses

modifiedPLUS® NP180p/p Base Sheet is designed for use as the base or first ply in a high performance two-ply modified bitumen roofing system, or as a ply in two-ply Protected Membrane roofing system. Also, used as a reinforcing sheet in 790-11 Hot Applied Rubberized Asphalt Systems.

## Features

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- SBS polymer provides flow resistance at high temperatures and flexibility at low temperatures for lasting durability.
- Non-woven polyester 180g/m<sup>2</sup> reinforcement.
- Designed for application in new construction, re-roofing and retrofit roofing.
- Excellent tear resistance.

## Limitations

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Non-resistant to oils and solvents. Refer to manufacturer for specific chemical resistance. Not designed for permanent exposure. Install *modifiedPLUS*<sup>®</sup> granule surfaced cap sheet over base sheet for permanent exposure.

## Storage

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Store rolls on end, on original pallets or elevated platform. Protect from weather or store in an enclosed area not subject to heat over 120°F.

## Surface Preparation

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Refer to *modifiedPLUS*<sup>®</sup> General Specifications for preparation and acceptable substrates.

## Application

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*modifiedPLUS*<sup>®</sup> NP180p/p must be torched or nailed to substrate. Roll out *modifiedPLUS*<sup>®</sup> NP180p/p and allow to relax prior to application.

Begin application of the base sheet at the lowest edge or drain. Proceed up the slope from the lowest point. Position and unroll base sheet to achieve correct overlap and alignment. Re-roll one end a minimum of 10' and adhere membrane to substrate. Complete application of remainder of sheet.

**Torching Application:** Heat lower surface of membrane. Sufficient heat must be applied to melt the lower surface and provide a flow of bitumen as the roofing membrane is unrolled. Care should be taken to ensure that heating is even across the width to avoid skips or voids.

**790-11 Application:** Torch to primed substrate as described above. Scorch film on top surface prior to over coating with 790-11.

**Slopes 1:12 (1" in 12") or Greater:** In addition to the above, apply membrane parallel to direction of slope and blind nail or mechanically fasten membrane at end or head lap on 6" centers.

## Limited Warranty

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We, the manufacturer, warranty only that this product is free of defects, since many factors which affect the results obtained from this product - such as weather, workmanship, equipment utilized and prior condition of the substrate - are all beyond our control. We will replace at no charge any product proved to be defective within 12 months of purchase, provided it has been applied in accordance with our written directions for uses we recommended as suitable for this product. Proof of purchase must be provided. **DISCLAIMER OF WARRANTIES:** The Limited Warranty is IN LIEU OF any other warranties express or implied including but not limited to any implied warranty of MERCHANTABILITY or fitness for a particular purpose, and we, the manufacturer, shall have no further liability of any kind including liability for consequential or incidental damages resulting from any defects or any delays caused by replacement or otherwise.

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