



PO Box 6256  
Mobile AL, 36606  
1-800-771-6643

## **PRODUCT DATA SHEET**

### **TPO Peel & Stick (HW) Membrane**

#### **45 mil**

#### **60 mil**

#### **DESCRIPTION**

TPO Peel & Stick (HW) membrane meets or exceeds all of the requirements for ASTM D6878-03 Thermoplastic Polyolefin membrane. Membrane is reinforced with a 9 x 9, 1,000 denier polyester fabric.

#### **INSTALLATION**

1. Substrates must be clean, dry and free of foreign materials such as grease, oil, debris and other materials which could inhibit adhesion.
2. Apply over dry, smooth and dust free approved substrates.
3. Clear Primer should be roller applied at a coverage rate of 600 sq ft per pail with a medium nap roller on concrete, masonry, and other porous and irregular substrates or on all surfaces when the temperature drops below 40°F.
4. Unroll enough Peel & Stick Membrane to cover the approved substrate. Position the membrane over the substrate and position for proper alignment (2" overlap).
5. Remove the release liner from the back of the Peel & Stick Membrane.
6. Using a broom or weighted roller, apply positive downward pressure to the Peel & Stick membrane working from the center out to the edges of the membrane to remove any trapped air and increase contact points with the substrate.
7. Lap seams may either be heat welded (HW) with hot air or completed using Clear Primer and 3" White Seam Tape.
8. End laps can be butted or overlapped 2" and stripped in either with 5" White TPO Cover Tape or 6" wide non-reinforced TPO flashing.

#### **PRODUCT DATA**

Available Sizes:

- Field Sheets (10', 6.25' and 3.12' - White)
- Flashing (18.75" - White)

#### **PRECAUTIONARY DATA**

- Take care when moving, transporting, and handling, etc., to avoid sources of punctures and physical damage.
- Isolate from prolonged exposure, waste products such as petroleum products, greases, oils (mineral and vegetable), and animal fats.
- Contact American Weatherstar for specific recommendations.



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#### **WARRANTY**

American WeatherStar warrants that the material supplied will meet or exceed physical properties as published. The contractor guarantees that workmanship will be free of defects in coating application. Since performance of previously installed substrate is beyond the control of American WeatherStar or the contractor, requests for additional warranty coverage shall be subject to prior approval by American WeatherStar.

#### **ADHESIVE PHYSICAL PROPERTIES**

<b>PROPERTY</b>	<b>TEST METHOD (ASTM)</b>	<b>ASTM Minimum</b>	<b>Typical Values</b>
<b>Color:</b>	E-903		Black
<b>Thickness, nominal (inches):</b>	E-408-71		.008
<b>Weight – lbs (g) – sq ft:</b>			.04 (18)
<b>Permeability:</b>	E-96		.6
<b>Specific Gravity:</b>	D-71		.93
<b>Viscosity – cps:</b>	D-3236		30,000



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#### MEMBRANE PHYSICAL PROPERTIES

PROPERTY	TEST METHOD (ASTM)	ASTM Minimum	Typical Values
Color:			White
Weight—lbs/ft <sup>2</sup> (kg/m <sup>2</sup> ): .045" (1.1mm): .060" (1.5mm):	D-751		.21 (1.03) .29 (1.41)
Nominal Thickness – inches (mm):	D-751	.039 (1.0)	.045 (1.1) .060 (1.5)
Thickness over Scrim – inches (mm): .045 .060	D-6878 Annex A1	.012 (.305)	.015 (.381) .022 (.559)
Breaking Strength – lbf (N)	D-751	220 (976)	330 (1500)
Elongation at Reinforcement Break, min. %:	D-751	15	30
Tear Strength – lbf (N):	D-751	55 (245)	156 (694)
Accelerated Weathering:	G-151 & G-154	Pass	Pass
Brittleness Point – °F (°C):	D-2137	-40 (-40)	-49 (-45)
Ozone Resistance – No Cracks:	D-1149	Pass	Pass
Properties After Heat Aging: Breaking Strength – bf (kN): Elongation at Reinforcement Break - min. %: Tearing Strength – lbg (kN): Weight Change (mass) – max %:	D-753 D-751 D-751 D-751 D-751	225 (1) 13.5 55 (.25) ±1	330 (1.5) 30 156 (.07) -0.02
Water Absorption – Max mass %:	D-471	±3	+1.2
Water Vapor Permeance – Perm:	E-96	N/A	.0122
Linear Dimensional Change – max %:	D-1204	±1	-.01
Puncture Resistance – lbf (N):	FTM 101C Meth. 2031 E- 903	200 (890)	337 (1500)
Reflectivity – White (%):	E-903		78.3
Emmittance – White:	E-408		.90