

## Millennium Reinforced Perimeter Strip (RPS)

### Description

Millennium Reinforced Perimeter Strip consists of reinforced EPDM membrane strip laminated with a 35 mil EPDM based pressure sensitive tape adhesive. The reinforced EPDM membrane is 6" (15.24 cm) wide mated to a 3" (7.62 cm) wide pressure sensitive tape. This tape is comprised of a vulcanized rubber adhesive that will provide OEM quality performance for EPDM single-ply restoration projects.

### Basic Use

Millennium Reinforced Perimeter Strip is designed for non-penetrating securement of the EPDM membrane in ballasted, fully adhered, and mechanically fastened roof systems.

### Surface Preparation

All work surfaces should be clean, dry, and free of dirt, dust, debris, oils, un-adhered coatings, deteriorated membrane and other contaminants that may result in a surface that is not sound or is uneven.

### Safety

Prior to working with this or any adhesive product consult product label and Safety Data Sheet (SDS) for necessary health and safety precautions.

### Limitations

- Not to be used without mechanical fasteners.
- Not for use with PVC membrane.
- Not for use with TPO membrane.
- Talc dust, oil, ice, snow or wet conditions inhibit good adhesion to the pressure sensitive tape. Clean and dry surfaces are necessary for proper installation of this product.

### Color

Black



### Features

Quick and easy Installation  
Eliminates fastening through membrane  
Eliminates membrane bridging  
No torches or liquid adhesives required

### Benefits

Saves time and labor  
Minimizes leak potential  
Extends membrane service life  
Improved safety

### Packaging and Coverage

Millennium Reinforced Perimeter Strip is available in the following size:

<u>Widths</u>	<u>Length</u>	<u>Part #</u>	<u>Rolls/Case</u>
<b>North America</b>			
6 inch (152mm)	100 ft. (30.48m)	ET-0554-06PL	2
<b>Europe, CIS, and Middle East</b>			
6 inch (152mm)	100 ft. (30.40m)	ET-0554-06EU	2

### Storage and Shelf Life

Store material in original unopened packaging at temperatures between 40°F-110°F (4°C - 43°C). Shelf life is 24 months when stored as recommended.

## Application

1. Place the Millennium Reinforced Perimeter Strip horizontally or vertically in the angle change with the pre-applied tape in the horizontal position and facing up.
2. Install seam fastening plates and screws, a maximum of 12" (30.48cm) o.c. Use fastener placement markings on EPDM sheet as a guide.
3. Clean portion of EPDM field membrane that will be adhered over Millennium Reinforced Perimeter Strip.
4. Apply EPDM Primer on portion of EPDM field membrane that will be adhered to the Reinforced Perimeter Strip utilizing the supplied pad. Scrub the membrane in a circular motion.
5. Allow the primer to dry to the touch (no material transfer), typically less than 20 minutes. Dry time will vary depending on ambient temperature and humidity.
6. Once the primer is dry immediately install EPDM membrane. Remove release liner and set the EPDM membrane onto the Millennium Reinforced Perimeter Strip and press in by hand.
7. Once the release liner has been removed, reinforce the field membrane to tape bond by rolling with a 2" (5.08cm) wide silicone roller.
8. Gently pull the EPDM field membrane back to the adhered tape line to expose the un-adhered portion of the EPDM field membrane. Install EPDM membrane manufacturer's recommended bonding adhesive to the parapet wall, the exposed mechanically fastened portion of the Millennium Reinforced Perimeter Strip, and to the underside of the field membrane.
9. Once adhesive has dried roll the field membrane in place for 100% adhesion through the elevation transition.



## Technical Data

Typical Physical Properties and Characteristics		
	Typical Values	Test Method
Base Polymer (Cover & Tape)	EPDM	FTIR
Color (Cover & Tape)	Black	Visual
Peel Strength	10 pli @ 70°F (21°C)	ASTM D 413
Shear Strength	20 psi @ 70°F (21°C)	ASTM D 816
Brittleness Temperature	-50°F (-46°C)	ASTM D 746

### NOTE:

The foregoing information is published as general information only. The listed properties and performance characteristics are typical values and are not to be interpreted as manufacturing specifications.



Code #0019-0514

**WARRANTY:** Royal Adhesives and Sealants warrants its products to conform to Royal's specifications at the time of sale when tested according to Royal standards. If a product is proven to be defective when tested according to Royal standards, Royal will, at its option, refund the purchase price or replace or repair the defective product. THIS LIMITED WARRANTY IS THE BUYER'S SOLE AND EXCLUSIVE REMEDY AGAINST ROYAL ADHESIVES AND SEALANTS AND IS IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. In no event shall Royal be liable for any special, incidental, consequential, or punitive damages arising out of any claims whether based on negligence, contract, warranty, strict liability or otherwise.