

# Millennium Single-Ply Primer

## Description

Millennium Single-Ply Primer is a rubber polymer based roofing primer. Unlike thin primers that run and puddle, the high viscosity formulation promotes uniform coverage on both horizontal and vertical surfaces. Millennium Single-Ply Primer does not react with atmospheric moisture allowing it to be opened and resealed for use at a later date.

## Basic Use

Millennium Single-Ply Primer is used to prime EPDM and TPO roofing membrane to provide improved adhesion to the Millennium family of EPDM tapes, laminates, and sealants as well as Royal's Cool Cover™ line of TPO tapes, laminates, and sealants. Millennium Single-Ply Primer is an excellent choice for priming concrete, OSB, plywood, and metal surfaces.

## Surface Preparation

All work surfaces should be clean, dry, 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. If necessary, clean the surface with an approved EPDM or TPO membrane cleaner prior to application of Millennium Single-Ply Primer.

## 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

- Do not use as a membrane cleaner.
- Talc, dust, oil, ice, snow, or wet conditions inhibit good adhesion. Clean and dry surfaces are a necessity.
- Not for use on PVC roof membranes.
- Do not use on extruded or expanded polystyrene insulation.
- At installation temperatures below 40°F (4°C) care must be taken to prevent the formation of condensation on surface of primer.

Not for use in VOC regulated markets, use Millennium Primer 240 in those areas.



## Features

- High viscosity formula
- Fast drying
- Excellent adhesion to a variety of substrates (EPDM, TPO, metals, wood, and concrete)
- Unique polymeric formulation

## Benefits

- Provides uniform coverage, no running or puddling
- Speeds installation
- Suitable for a wide variety of applications
- Long term durability

## Equipment Clean-Up

Use Mineral Spirits or VM&P naphtha. Observe all manufacturer's safety precautions and use recommendations when using solvents.

## Packaging and Coverage

Millennium Single-Ply Primer is available in the following package:

Container Size	Part #	Packaging
1 quart (0.9L)	CN-5557-QT	6 quarts/case
1 gallon (3.8L)	CN-0195	6 pails/case
3 gallon (11.4L)	BK-5557-PA	30 pails/pallet

Coverage rate will be approximately 200-250 sq. ft. per gallon (18.6-23.2 m<sup>2</sup> per liter).

## Storage and Shelf Life

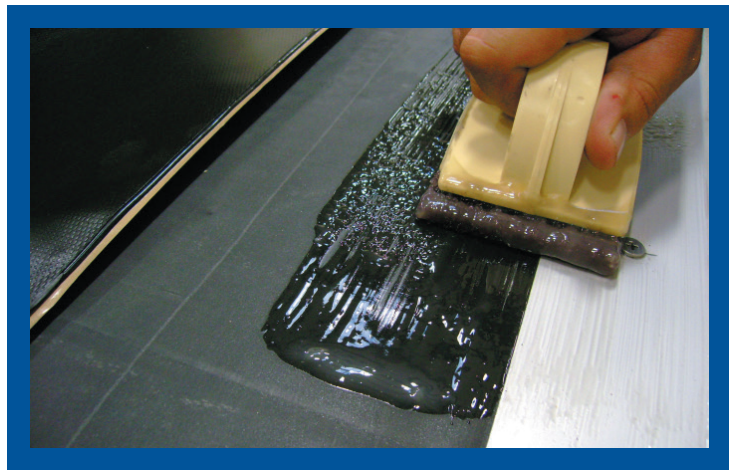
Store material in original unopened containers at temperatures between 40°F - 90°F (4°C - 32°C). Shelf life is 12 months when stored in unopened container.

## Color

Off-white

## Application

1. Thoroughly shake or stir Millennium Single-Ply Primer prior to use and re-stir every 15-20 minutes during use. Note: product may exhibit an “apple sauce” type texture even after agitation. This appearance is normal and will not adversely affect the product’s performance. For more information on primer appearance, see Millennium Single-Ply Primer Appearance Technical Bulletin.
2. Do not dilute or extend Millennium Single-Ply Primer.
3. Surfaces should be dry and clean before applying Millennium Single-Ply Primer. EPDM and TPO surfaces should be cleaned with a suitable solvent such as mineral spirits or VM&P naphtha if necessary prior to priming. Observe all manufacturers’ safety precautions and use recommendations when using solvents. Do not smoke while working with primer
4. When the surfaces are dry, apply Millennium Single-Ply Primer with a fully saturated brush or scouring pad. The surface should appear wet during application. Apply primer to a wider area than the actual bonding area to insure complete coverage. If using a scouring pad, be sure that it is free of excessive dust from EPDM membranes. Replace pads often. Do not overwork primer.
5. Allow primer to dry completely (typically less than 20 minutes) before applying tape. Primer will visually appear “dull” or “flat” and will feel dry to the touch. Drying conditions will vary depending on ambient air conditions. **NOTE: Use caution when installing at temperatures below 40°F (5°C) to prevent blushing of EPDM primer (formation of condensation on surface of primer).**
6. When not in use, keep lid on primer to prevent solvent evaporation. When finished, secure lid and store primer as recommended for use at a later date.
7. **Once the seam or flashing is installed the primer will take up to 48 hours to wet-out the tape surface and build full strength.** Any peel tests on installed seams or flashings should not be conducted until at least 24 hours after installation. For more information, please see Royal’s Technical Bulletin on Cool Cover™ TPO Adhesion Strength.



## Technical Data

Typical Physical Properties and Characteristics	
	<i>Typical Values</i>
Color	Translucent/off-white
Solids Content	15%
Weight per Gallon	6.50 lbs
VOC Content	675 grams per liter
Application Properties	
Application Temp.	0°F to 110°F (-18°C to 43°C)

### 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.



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**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.