

# Low VOC TPO and EPDM Single-Ply Primer



**Improves adhesion to seam, cover, and flashing tapes: Prepares surface of single-ply TPO and EPDM roofing membranes**

## FEATURES

VOC less than 250 g/L  
 High Performance  
 Unique polymeric formulation  
 Reusable

## BENEFITS

Useful in regulated markets  
 Maintains bond strength after environmental exposures  
 Provides excellent adhesion to a variety of substrates (EPDM, TPO, metals, wood, and concrete)  
 Reduces waste

## DESCRIPTION:

Low VOC TPO and EPDM Single-Ply Primer is a rubber polymer-based primer used to prepare the surface of single-ply TPO and EPDM roofing membranes for improved adhesion to seam tapes, cover tapes, and flashing tapes. And: Has been formulated with VOC exempt solvents for use in regulated markets where other solventborne primers can not be used. This primer does not react with atmospheric moisture allowing it to be opened and resealed for use at a later date.

## BASIC USES:

Low VOC TPO and EPDM Single-Ply Primer is used to prime EPDM and TPO roofing membrane to provide improved adhesion is an excellent choice for priming concrete, OSB, plywood, and metal surfaces.

## PACKAGING AND COVERAGE:

Low VOC TPO and EPDM Single-Ply Primer is available in the following package:

Pail Size	Packaging
1 gallon (3.8L)	6 pails/case
3 gallon (11.4L)	30 pails/pallet

Coverage rate will be approximately 200-225 sq. ft. per gallon (18.6-20.9 m<sup>2</sup> per liter).

## COLOR:

Translucent/off-white

## STORAGE AND SHELF LIFE:

Store material in original unopened containers at temperatures between 40°F - 90°F (4°C - 32°C). Shelf life is 18 months when stored in unopened container.

## 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

## SAFETY:

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

## APPLICATION:

1. Thoroughly shake or stir Low VOC TPO and EPDM 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 Low VOC TPO and EPDM Single-Ply Primer Appearance Technical Bulletin.
2. Do not dilute or extend Low VOC TPO and EPDM Single-Ply Primer with any liquids.
3. Surfaces should be dry, clean and free of any loose debris before applying Low VOC TPO and EPDM Single-Ply Primer. Aged water-

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## APPLICATION: (continued)

- proofing membrane should be pressure washed and dried completely before applying this product. Observe all Manufacturers' safety precautions and use recommendations when using solvents.
4. When the surfaces are dry, apply Low VOC TPO and EPDM 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 within 30 to 40 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 40oF (5oC) to prevent blushing of EPDM primer (formation of condensation on surface of primer). Drying time may significantly increase at low temperatures.**
  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.

## EQUIPMENT CLEAN-UP:

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

## 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.
- Not recommended for temperatures under 40°F (5°C).

## VOC CALCULATION:

The VOC content of this primer was determined under Rule 1168 for low solids adhesive primer. The calculation is determined as follows:

$$\text{VOC content} = (\text{Ws} - \text{Ww} - \text{Wex}) / \text{Vm}$$

Where:

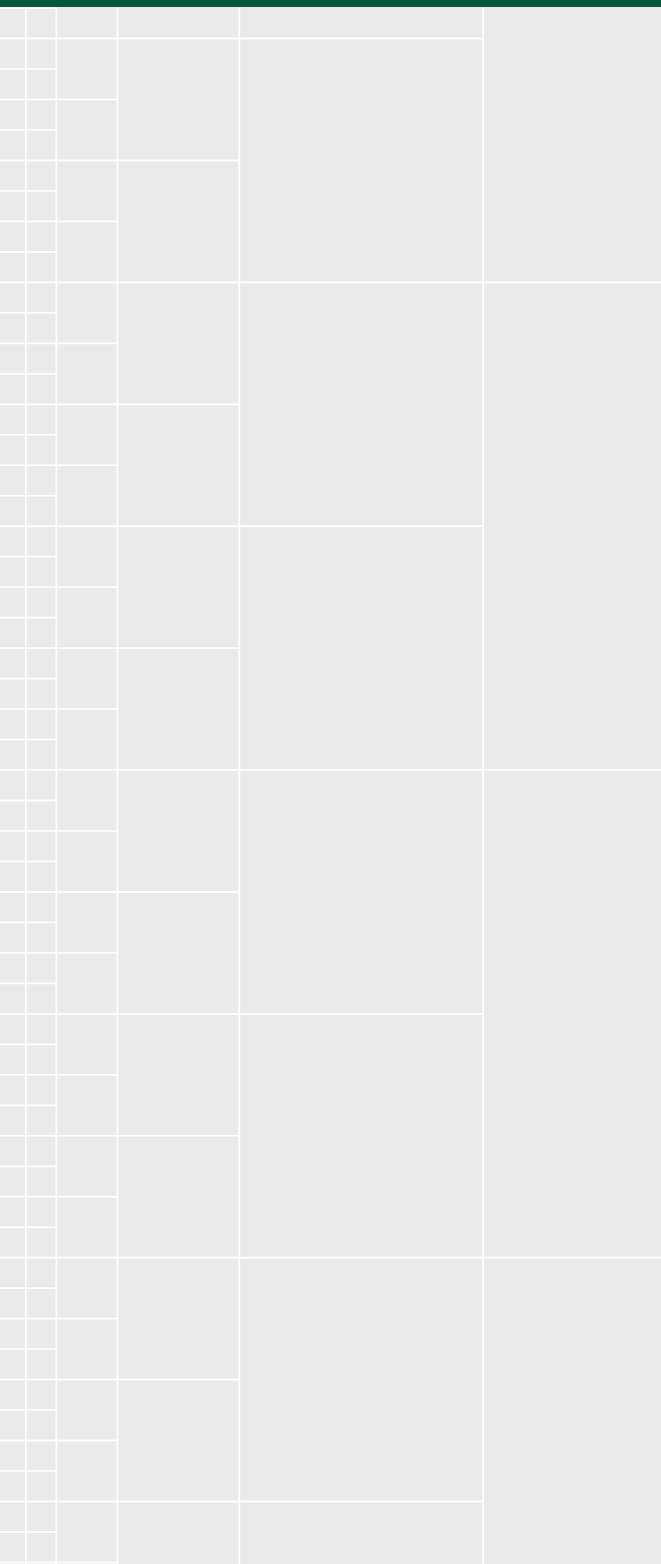
- Solids: <120 g/l
- Ws = weight of volatile compounds in gm
- Ww = weight of water in gm
- Wex = Weight of exempt compounds in gm
- Vm = volume of material in liters

## PHYSICAL PROPERTIES:

Property	Results
Color and Appearance	Translucent free flowing liquid
Solids Content	10%
Weight per Gallon	9.86 lbs
Dead Load Shear Test (300 gm load, 70°C)	0.125 inches max. movement
VOC Content	<250 grams per liter (Calculated)
Brookfield Viscosity	600 cps.
<b>Application Properties</b>	
Application Temp.	40°F to 110°F (-18°C to 43°C)
Storage Temperature	40°F to 90°F (4°C to 32°C)
Coverage Rate	200-225 Sq.Ft per Gallon
Shelf Life	18 months in unopened container

*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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