

Low-VOC EPDM and TPO Primer



Overview

Carlisle's Low-VOC Primer is a solvent-based product designed for one-step priming of EPDM or TPO surfaces prior to the application of FAT™, Coverstrip, SecurTAPE™ and all other pressure-sensitive (PS) products. This product is designed to comply with VOC regulations.

Features and Benefits

- » One-step primer used in conjunction with all pressure-sensitive accessories on EPDM or TPO membranes
- » Coverage rates up to 700 square feet per gallon (65 m²) with TPO or Kleen EPDM membrane
- » VOC less than 250 g/l
- » Excellent long term peel and shear strength

Coverage Rates

Approximately 250 ft²/gallon (23 m²) can be expected when properly applied to dusted EPDM membrane.

Coverage rates as high as 700 ft²/gallon (65 m²) can be expected with TPO or Kleen EPDM membrane.

Mixing

Mixing is not recommended, even when settling occurs. The polymer used in primer contains a non-soluble partitioning agent that may settle to the bottom of the can. Do not attempt to break up or stir back into the primer.

Application

1. Remove all foreign material.
 - a. Excessive mica dust may be removed from EPDM by brooming or wiping with a clean, dry rag, or a Carlisle HP Splice Wipe.
 - b. The use of Weathered Membrane Cleaner may be necessary on TPO or EPDM. This process is essential on membrane that has been exposed for a number of weeks or dusted membrane.

Note: Permeation-resistant gloves (that meet ANSI/ISEA 105-2005) are required for hand protection when cleaners or primers are being used.

2. Application of Low-VOC Primer
 - a. Dusted EPDM Membrane – Clean the splice area with Weathered Membrane Cleaner. Change HP Slice Wipes often to ensure mica dust is removed. Roller-apply the primer to the membrane with a short nap-length paint roller. The coated area will be free of globs or puddles.
 - b. TPO, Kleen EPDM membrane, or EPDM membrane cleaned with Weathered Membrane Cleaner – Roller-apply the primer to the membrane with a short nap-length paint roller. The coated area will be free of globs or puddles.

Note: The use of excessive amounts of Low-VOC Primer will not enhance the adhesion of the PS products to the membrane. Use only the amount necessary to obtain 100% coverage of the area where the tape or adhesive will be applied.

3. Allow the Low-VOC Primer to flash-off until it does not transfer to a dry finger touch yet remains tacky. **Install the pressure-sensitive product immediately after the primer has flashed-off to promote adhesion and avoid contamination.**
4. Complete the detail as specified in Carlisle's Specifications and Details.

Review Carlisle specifications and details for complete installation information.

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Precautions

- » Avoid allowing the primer to over dry or lose tack.
- » Install pressure-sensitive flashings, corners and tapes immediately after primer flashes off and remains tacky.
- » This product is **FLAMMABLE**. Precautions must be taken to keep the primer away from heat, flame and sparks during storage and use.
- » Avoid contact with eyes and skin.
- » Avoid breathing vapors. Keep container closed when not in use. Use with adequate ventilation. If inhaled, remove to fresh air. If not breathing, perform artificial respiration. If breathing is difficult, give oxygen. Call a physician immediately. During application, efforts must be made to prevent fumes from entering the building via air ventilation ducts. Do not place open containers or mix adhesive near fresh-air intake units. When possible, shut down or seal off the closest units.
- » If swallowed, **DO NOT INDUCE VOMITING**. Call a physician immediately.
- » Permeation-resistant gloves (that meet ANSI/ISEA 105-2005) must be worn with Low-VOC Primer to protect hands from staining and irritating ingredients.
- » Partitioning agents suspended in Low-VOC Primer tend to settle and do not need to be remixed. Stirring is not required. Use Low-VOC Primer full strength. Do not thin. Thinning will affect performance.
- » Low-VOC Primer is not white in color. Care should be taken to limit the amount of primer exposed beyond the splice area for improved aesthetics.
- » Jobsite storage temperatures in excess of 90°F (32°C) may affect product shelf life. Should the primer be stored at temperatures lower than 60°F (15°C), restore to room temperature prior to use.
- » Keep can tightly closed when not in use and protect from moisture contamination. A gasket of membrane or sealant can be used to create a positive seal.
- » Due to solvent flash-off, condensation may form on freshly applied Low-VOC Primer when the ambient temperature is near the dew point. If condensation develops, the application of primer must be discontinued (proper adhesion will not be obtained). Allow the surface to dry and apply a thin freshener coat of primer to the previously coated surface when conditions allow.
- » REVIEW THE LOW-VOC PRIMER MATERIAL SAFETY DATA SHEET FOR COMPLETE SAFETY INFORMATION PRIOR TO USE.
- » KEEP OUT OF REACH OF CHILDREN.

Typical Properties and Characteristics

Base	Synthetic Rubber
Color	Olive Drab
Solids	9%
Flash Point	40°F (4.4°C)
Packaging	(6) 1 gallon (3.8 liters) cans per carton or 3-gallon pails (11.4 liters)
Shelf Life	12 months
Average Weight	9.55 lbs/gallon (1.14 kg/liter)

Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.

LEED® Information

Pre-consumer Recycled Content	0%
Post-consumer Recycled Content	0%
Manufacturing Location	Carlisle, PA
VOC Content	<250 g/L