



Product Data Sheet

LOW-VOC PVC STEP 1 ACTIVATOR

Revision Date: Nov 2022

DESCRIPTION

Low-VOC PVC Step 1 Activator is a high-strength, solvent-based activator that allows PVC Pressure-Sensitive (PS) Cover Strip to be bonded to Mule-Hide PVC or KEE HP membranes.



BASIC USES

First component required in preparation for the installation of PVC PS Cover Strip.

BENEFITS

- Low-VOC PVC Step 1 Activator meets the < 250 gpl VOC content requirements of the OTC Model Rule. It is specially formulated using a blend of VOC-exempt and non-exempt solvents and follows the state of California Clean Air Act of 1988 (updated in 1997) as further regulated by California's Air Quality Control Districts listing VOC limitations.
- Provides a high-strength bond between PVC PS Cover Strip and PVC and/or KEE HP membranes.
- Easy to apply with a medium nap roller.

Physical Properties and Characteristics	
Base	Synthetic Rubber
Color	Royal Blue
Solids	23.6-29.6%
Flash Point	-4°F (-20°C) SETA
Brookfield Viscosity	1500 – 4500 centipoises
Average Net Weight	6.9 – 7.7 lbs/gal (0.8 – 0.9 kg/l)
Shelf Life	1 Year

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.

COVERAGE RATE

250 to 300 square feet (23.2 to 27.9 square meters) per gallon finished surface. Coverage rates are average and may vary due to conditions on the jobsite.

PACKAGING

(2) 1 gallon (3.8 liters) cans per carton

APPLICATION

1. Clean the existing membrane (and metal if applicable) with PVC or Low-VOC Membrane Cleaner and Scotch-Brite™ Pads or natural fiber rags. To remove heavy dirt build-up, use of a Scotch-Brite™ Pad may be necessary. If necessary, pour a small amount of PVC or Low-VOC Membrane Cleaner over a pad and rub the area of membrane to be activated in a circular motion. Wipe away residual dirt with natural fiber rags.
2. The entire surface to which the flashing will be applied must be clean. Any residual surface contamination will be detrimental to the bond strength of the adhesive.
3. Stir thoroughly until the Low-VOC PVC Step 1 Activator color appears uniform. A minimum of 5 minutes of stirring is recommended.
4. Roller-apply PVC Step 1 Activator to only the area of the PVC or KEE HP membrane to be flashed (there is no need to use PVC Step 1 activator on the metal substrate) with a short-nap-length paint roller. The properly activated area will be uniform in color, without streaks, and free of globs or puddles. Let dry. **Only apply PVC Step 1 activator to the PVC or KEE HP membrane to be covered with Step 2 Primer and the PVC PS Cover Strip.** The Blue tint will fade when exposed to sunlight over time.
5. Opened containers of Low-VOC PVC Step 1 Activator should be used within 48 hours. Activator will begin to thicken after this point, making it difficult and eventually impossible to control applied thickness. In hot weather, do not leave sealed containers on roof for prolonged periods of time. In cold weather, keep material at room temperature until ready to use. Stir occasionally while using.
6. Do not thin Low-VOC PVC Step 1 Activator. Thinning will affect performance. Excessively thick or gelled material should be discarded.
7. Low-VOC PVC Step 1 Activator must be allowed to dry thoroughly. If membrane is mated with the substrate before the activator has dried, blistering will occur and will not subside over time.
8. Due to solvent flash-off, condensation may form on freshly applied PVC Step 1 Activator when the ambient temperature is near the dew point. If condensation develops, the application of PVC Step 2 Primer must be discontinued since proper adhesion will not be achieved. Allow the surface to dry. When conditions allow, apply a thin freshener coat of PVC Step 1 Activator to the previously coated surface.

Low-VOC PVC Step 1 Activator

STORAGE & HANDLING

- Jobsite storage temperatures in excess of 90°F (32°C) may affect product shelf life. Should the Low-VOC PVC Step 1 Activator be stored at temperatures lower than 60°F (15°C), restore to room temperature prior to use.

PRECAUTIONS

- Low-VOC PVC Step 1 Activator is EXTREMELY FLAMMABLE. It contains solvents that are dangerous fire and explosion hazards when exposed to open flame, high heat, or sparks. Vapors are heavier than air and may travel along the ground or may be moved along by ventilation and ignited by flames, sparks, heaters, smoking, electrical motors, static discharge, or other ignition sources at locations distant from material handling point. Do not smoke while applying. Do not use in a confined or unventilated area. All containers should be grounded when material is transferred from one container to another. A red caution label is required when shipping. A fire extinguisher should be available. In case of fire, use water spray, foam, dry chemical, or carbon dioxide. Do not use a solid stream of water because it can scatter and spread the fire.
- 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 near fresh air intake units. When possible, shut down or seal off the closest units.
- Review the applicable Safety Data Sheet for complete safety information prior to use.
- If swallowed, DO NOT INDUCE VOMITING. Call a physician immediately.
- Avoid contact with eyes. Safety glasses or goggles are recommended. If splashed in eyes, immediately flush eyes with plenty of clean water for at least 15 minutes. Contact a physician immediately.
- Avoid contact with skin. Wash hands thoroughly after handling. In case of contact with skin, thoroughly wash affected area with soap and water. Contact a physician if irritation persists.
- Note: Permeation-resistant gloves (that meet ANSI/ISEA 105-2005) are recommended to be worn when using this product to protect hands from irritating ingredients.
- KEEP OUT OF REACH OF CHILDREN.

LEED® Information	
Pre-consumer Recycled Content	0%
Post-consumer Recycled Content	0%
Manufacturing Location	<250 g/l
Manufacturing Location	Carlisle, PA

PROTECTION & SAFETY

Mule-Hide maintains Safety Data Sheets on all of its non-exempt products. Safety Data Sheets contain health and safety information for your development of appropriate product handling procedures to protect your employees and customers. Mule-Hide's Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Mule-Hide products in your facilities.

ADDITIONAL INFORMATION

The information given on this PDS is subject to change without notice. Always check the Mule-Hide website at www.mulehide.com for the latest information, changes and updates or contact Mule-Hide at 800-786-1492.

DISCLAIMER

The statements provided concerning the material shown are intended as a guide for material usage and are believed to be true and accurate at the time of printing. No statement made by anyone may supersede this information, except when done in writing by Mule-Hide Products Co., Inc. Since the manner of use is beyond our control, Mule-Hide does not authorize anyone to make any warranty of merchantability or fitness for any particular purpose or any other warranty, guarantee or representation, expressed or implied, concerning this material. This product may be eligible for a Mule-Hide warranty, please check the Mule-Hide website at www.mulehide.com or contact Mule-Hide directly at 800-786-1492 for details. Buyer and user accept the product under these conditions and assume the risk of any failure, any injury person or property (including that of the user), loss or liability resulting from the handling, storage or use of the product whether or not it is handled, stored or used in accordance with the directions or specifications. Mule-Hide must be notified in writing of any claims and be given the opportunity to inspect the alleged failure before repairs are made.