

LEXCAN

HI-PRO PVC

Low-VOC Bonding Adhesive

DESCRIPTION & USE

Lexcan Hi-Pro PVC Low-VOC Bonding Adhesive is a high-strength solvent based contact adhesive, specially formulated using a blend of VOC-exempt and non-exempt solvents, that allows bonding of PVC and KEE membranes to various porous and non-porous substrates.

FEATURES & BENEFITS

- High-strength adhesive that allows quick bonding
- Can be easily applied with a medium nap roller
- Provides excellent adhesion between various substrates and PVC and/or KEE membranes

TECHNICAL DATA

Physical Properties	
Base:	Synthetic Rubber
Colour:	Pale Yellow TO Orange to Amber
Solids:	23.6 - 29.6%
Flash Point:	-20°C (-4°F) SETA
Brookfield Viscosity:	1500 - 4500 centipoises
Avg. Net Weight:	6.9 - 7.7 lbs/gal (0.8 - 0.9 kg/l)
Packaging:	5 Gal. Pail
Shelf Life:	1 year

LEED Information	
Pre-consumer Recycled Content:	0%
Post-consumer Recycled Content:	0%
VOC Content:	<250 g/l

Coverage Rates

Hi-Pro PVC Low-VOC Bonding Adhesive - 5.6 square metres (60 ft²) per gallon finished surface. Coverage rates are average and may vary due to conditions on the job site. Porous surfaces and substrates may require more bonding adhesive than the typical coverage rate.

Mixing:

Stir thoroughly until the adhesive is uniform in colour. Minimum 5 minutes stirring is recommended.

CAUTIONS & LIMITATIONS

- Review the applicable Material Safety Data Sheet for complete safety information prior to use.

- Hi-Pro PVC Low-VOC Bonding Adhesive is EXTREMELY FLAMMABLE. It contains solvents that are dangerous fire and explosion hazards when exposed to heat, flame or sparks. Do not smoke while applying. Do not use in a confined or unventilated area. Vapors are heavier than air and may travel along ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electrical motors, static discharge, or other ignition sources at locations distant from material handling point. 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 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.
 - 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 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.
- Jobsite storage in excess of 32 °C (90 °F) may affect product shelf life. Should the PVC Low-VOC Bonding Adhesive be stored at temperatures lower than 15 °C (60 °F), restore to room temperature prior to use.

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- Do not thin Hi-Pro PVC Low-VOC Bonding Adhesive. Thinning will affect performance. Excessively thick or gelled material should be discarded.
- Opened containers of Hi-Pro PVC Low-VOC Bonding Adhesive should be used within 48 hours. Adhesives 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 adhesive occasionally while using.
- Adhesive must be allowed to dry thoroughly. If membrane is mated with the substrate prior to the adhesive being dry, blistering will occur and will not subside over time.
- KEEP OUT OF REACH OF CHILDREN.

APPLICATION INSTRUCTIONS

Note: Lexcan recommends that when applying Hi-Pro PVC Low-VOC Bonding Adhesive, the temperature should be above 4°C (40°F).

1. The surface on or against which adhesive is to be applied shall be clean, smooth, dry, free of fins, sharp edges, loose and foreign materials, oil and grease. Depressions greater than 1/4" (6 mm) should be feathered using epoxy, mortar or other approved patching material. All sharp projections shall be removed by sweeping, blowing or vacuum cleaning.
2. After thorough stirring (minimum 5 minutes), apply Hi-Pro PVC Low-VOC Bonding Adhesive to substrate and membrane using a 9" (229 mm) medium nap roller. Application shall be continuous and uniform, avoiding globs or puddles. An open time of 5 to 50 minutes (based on drying conditions) is recommended before assembly. Hi-Pro PVC Low-VOC Bonding Adhesive must be allowed to dry until it does not string or stick to a dry finger touch. The membrane and substrate will be dry (non-tacky) to the finger touch. Any coated area that has been exposed to rain should be allowed to dry and then recoated. Do not apply adhesive to splice areas to be hot-air welded.
3. Roll the membrane onto the adhesive-coated substrate while avoiding wrinkles. Immediately brush down the bonded portion of the sheet with a soft-bristle push broom or a clean dry roller applicator to achieve maximum contact.

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