

SURFACE PREPARATION

All caulking, patching and joint sealants should be installed and fully cured prior to application. Concrete should be properly cured, see Curing Recommendations below. All surfaces must be cleaned free of dust, dirt, surface materials, previous coatings and contaminants. New concrete normally does not require etching. However, slick trowel finished concrete that has become heavily contaminated with surface dirt, tire marks, oil, etc., during construction may require thorough cleaning and a mild etch using Certi-Vex Etch & Efflorescence Remover for best performance. Older concrete surfaces should be power washed with high-pressure water and appropriate Vexcon cleaners to assure removal of surface dirt, oil and contaminants that may have built up over the years and use Certi-Vex Concrete Stripper to remove old cure and seals, resin cures, acrylics, adhesives, floor waxes and many urethanes and epoxies. To determine that the concrete is penetrable perform a water absorbency test by applying water to a representative portion of the prepared surface. A properly prepared surface when dry will immediately absorb clean water without any surface beading effects. Application to still damp surfaces is acceptable however free standing water must be removed. Surfaces to be treated may be damp but should be absorbent to assure good penetration.

CURING RECOMMENDATIONS

A. Concrete can be cured with **Certi-Vex® Envio Cure**, an emulsion resin cure, which will dissipate. Allow to dissipate or remove with Certi-Vex Concrete Stripper.

B. Water cure-burlap

NOTE: Sodium Silicates should not be used to cure concrete.

APPLICATION

Certi-Vex Penseal 244 40% should not be diluted or altered, see Coverage rates. Apply with low-pressure (20-PSI) airless industrial spray equipment. Sprayer should be fitted with solvent resistant hoses and gaskets. If using brushes or rollers care should be taken to ensure that enough solution is applied. Treated surfaces should be protected from rain and foot traffic for 4-6 hours following application of Certi-Vex Penseal 244 40%. Protect from vehicular traffic for 24 hours.

HORIZONTAL SURFACES: Certi-Vex Penseal 244 40% should be applied in a single saturating application with sufficient material applied so the surface remains wet for a few minutes before penetration into the surface. Surface residues, pools and puddles should be broomed or brushed out until they completely penetrate into the surface.

VERTICAL SURFACES: Certi-Vex Penseal 244 40% should be applied and absorbed on the substrate to the specified coverage rate. In the case of extremely dense, mirror finish architectural concrete and similar surfaces, it may be necessary to restrict the amount of material by first applying a light mist coat by the procedure listed below in order to prevent surface darkening. Allow the mist coat to penetrate the masonry surface (approximately 3-5 minutes) and apply in the same saturation manner. Apply Certi-Vex Penseal 244 40% in a flooding application, from the bottom up with sufficient material applied to provide a 6" to 8" run down below the contact point of the new spray pattern with the masonry surface.

SPECIAL NOTES

- The product should be stored in sealed containers and kept away from extreme heat.
- If properly stored in its original sealed container, 3 years from date of manufacture. Rotate your stock.
- For use by professional applicators only.

PHYSICAL PROPERTIES

- Color Clear
 - Dry time: 3-4 hours
 - Total solids and active ingredients by wt. 40%
- Dry times are based upon 68-77 °F (20-25 °C). Lower temperatures and the relative humidity will extend dry times.

COVERAGE RATES

Porosity and texture of the surface will affect the amount of material necessary for effective treatment. The following is a guide for estimating material requirements. Always test on the actual surface to get precise consumption rates.

- **Concrete/Horizontal:**
 - Broom finish 125-140 sq.ft./gal. (3.1-3.5m²/L)
 - Slick trowel finish 250 sq.ft./gal. (6.25m²/L)
 - Older concrete (porous) 95-140 sq.ft./gal. (2.4-3.5m²/L)
- **Concrete/Vertical:**
 - CIP or Precast 150-200 sq.ft./gal (3.5-5 m²/L)
 - Stucco 95-140 sq.ft./gal (2.4-3.5 m²/L)
- **Architectural Concrete block:**
 - Smooth-faced 95-140 sq.ft./gal (2.4-3.5 m²/L)
 - Split-faced 50-100 sq.ft./gal (1.25-2.5 m²/L)
 - Ground-faced 200-250 sq.ft./gal (5-6.25 m²/L)
 - Ribbed 50-100 sq.ft./gal (1.25-2.5 m²/L)
- **Brick:**
 - Smooth 125-140 sq.ft./gal (3.1-3.5 m²/L)
 - Wire cut 50-100 sq.ft./gal(1.25-2.5 m²/L)

PACKAGING

Certi-Vex Penseal 244 40% is available in 55-gallon drums and 5-gallon pails. Contact Vexcon directly to discuss your customized packaging requirements.

VITAL STATISTICS

- Flash Point: 109° F (43° C) minimum
- Boiling Point: 310-405° F (154-207° C)
- Autoignition Temp: 472° F (244° C)
- Extinguishing Media: Foams, Dry Chemical, CO₂, Water Fog, spray.

HEALTH AND SAFETY

- Use only with adequate ventilation.
- Use of gloves, goggles and other protective clothing is advised when using this product.
- If swallowed, do not induce vomiting.
- Use of respirators is advised when using in confined areas.

Vexcon MSDS #PS106 is an integral part of the safety and application of our product. A short synopsis is provided in this product data sheet. Before using this Vexcon product it is advisable to obtain a copy of the MSD, #PS106, from your distributor or by contacting Vexcon Chemicals.

CONTACT US @

Additional product information, technical assistance and customer service is available by contacting Vexcon Chemicals directly or our distributors.

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