

# Paver Reneu™

Rejuvenates and protects your concrete pavers

## PAVER RENEU NATURAL WATER BASE MAXIMUM PROTECTION • NATURAL APPEARANCE

### DESCRIPTION

**Paver Reneu Natural Water Base** is a premium performing breathable, high solids, water repellent penetrating sealer that provides maximum long term protection on horizontal and vertical surfaces while maintaining the natural appearance of pavers, concrete and masonry surfaces. When properly applied the treatment does not produce a surface build up, darkening or other effect on the natural color or texture of the surface. Utilizing premium grade silicon/silane technology, the material's small molecular structure allows for deep penetration into pavers, new concrete (14 day minimum) or existing concrete and masonry surfaces. Paver Reneu Natural Water Base stops the intrusion of water, salts, deicer chemicals, and acids, which often result in efflorescence, mildew growth, corrosion, scaling, spalling, surface erosion, and other costly damage to hard surfaces.

### BENEFITS

- Deep penetration for maximum long term protection
- Quick formation of surface repellency and chemical resistance
- Breathable
- Natural appearance maintained
- Horizontal/Vertical surfaces
- Prevents freeze/thaw damage
- Extends life of pavers, other concrete and masonry surfaces
- Apply to damp surfaces without whitening or loss of adhesion
- Seals and hardens surface reducing clean up and maintenance costs
- Low Odor
- Economical
- Best protection from harmful environmental elements
- Prevents efflorescence, mildew, dusting and spalling
- Stops joint wash out, erosion, staining and vegetation growth

### SPECIFICATIONS/COMPLIANCE

Paver Reneu Natural Water Base has been tested to the highest industry testing standards. Testing includes water absorption/repellency ratings, penetration and salt spray resistance. Results are listed below and independent test reports are available on request.

- Meets EPA & AIM VOC regulations: 250gr/liter or 2.07 #/gal. – Water Repellent
- Chloride screen test using NCHRP 244 series IV (1 application at 125 sq.ft. /gal.) minimum 76%
- Reduces water absorption (ASTM C-67 and ASTM C-140) by greater than 85%
- Scale rating-ASTM C-672-84 100 freeze thaw cycles-0 (no scaling)

### PREPARATION NOTES

- When applying to the exteriors of occupied buildings all exterior air conditioning/heating vents should be covered and air-handling equipment should be turned off during application.
- Protect all areas from over spray. Adjoining glass, metal and painted surfaces should be protected from over spray and splash. Inadvertent splashes should be removed using **Certi-Vex® Equipment Cleaner** before the solution has dried on the surface.
- Surfaces should be properly cured.
- Apply to surfaces that are properly repaired and structurally sound.

### Surface Cleaning:

- Thoroughly clean surface prior to application. Remove dirt and stains using **Paver Reneu Degreaser and Cleaner** and **Paver Reneu Rust & Stain Remover**.
- Remove efflorescence(white salt deposits) using **Paver Reneu Etch & Efflorescence Remover**.
- Use **Paver Reneu Stripper** to remove old sealers, epoxies, urethanes, adhesives, cures and floor waxes. Brush off all joint sand, dust and loose material. Joints must be full of sand and dry prior to application.

### Test Application:

- Using the same equipment and techniques is necessary on each surface to be treated to ensure compatibility and desired water repellency. Test areas are also useful in determining final application rate.
- The surface area must have proper absorbency for the product to penetrate. To determine that the surface 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.
- If the material in the test area does not fully penetrate due to existing coatings or inadequately cleaned surface, re-cleaning or the use of Paver Reneu Etch & Efflorescence Remover may be required to improve penetration. Repeat until satisfactory penetration is achieved.
- If a tacky residue remains after 24 hrs, the application rate must be reduced. Material which remains tacky on the surface can usually be removed by washing with water or a water/vinegar solution.

## APPLICATION

- Product is supplied at the proper consistency for application and dilution will reduce efficiency and gloss
- Thoroughly mix before applying
- Apply with low-pressure (20-PSI) airless industrial spray equipment. Sprayer should be fitted with solvent resistant hoses and gaskets. The sprayer must be clean and dry. If cleaning with solvents is required, use **Certi-Vex Equipment Cleaner**. Clean sprayer as directed, between applications to ensure best results. If sprayer is not available, use a brush or 1/4" roller
- If using brushes or rollers ensure enough solution is applied
- Material should not be allowed to puddle. Broom out or squeegee excess
- Treated surfaces should be protected from rain and foot traffic for 4-6 hours following application. Protect from vehicular traffic for 24 hours
- The sealer can be applied to damp surfaces however do not apply over puddle water
- Coat uniformly leaving no gaps
- Apply evenly in a lapping motion at specified coverage rate
- Porosity and texture of the surface will affect the amount of material necessary for effective treatment

## HORIZONTAL SURFACES:

Ensure joints receive an adequate amount of sealer. Excess material around joints should be spread evenly over pavers. Apply 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:

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 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 surface.

## MAINTENANCE

Spills should be removed promptly and cleaned. Sealed areas should be cleaned regularly, use **Paver Reneu Degreaser & Cleaner** for all cleaning requirements.

## SPECIAL NOTES

- The product should be stored in sealed containers
- Can apply to 40°F
- Protect from freezing
- If properly stored in its original sealed container, six months. Rotate your stock

## PACKAGING

Paver Reneu Natural Water Base is available in 55-gallon drums, 5-gallon pails and 1-gallon containers.

## 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 coverage rates.

### Horizontal Surfaces

- **Pavers:** 150-175 sq.ft./gal. (3.50-4.25m<sup>2</sup>/L)
- **Concrete:**
  - Broom finish 125-140 sq.ft. /gal. (3.1-3.5m<sup>2</sup>/L)
  - Slick trowel finish 250 sq.ft./gal. (6.25m<sup>2</sup>/L)
  - Older concrete (porous) 95-140 sq.ft. /gal. (2.4-3.5m<sup>2</sup>/L)

### Vertical Surfaces

- **Concrete/Vertical:**
  - CIP or Precast 150-200 sq.ft./gal (3.5-5 m<sup>2</sup>/L)
  - Stucco 95-140 sq.ft./gal (2.4-3.5 m<sup>2</sup>/L)
- **Architectural Concrete Block:**
  - Smooth-faced 95-140 sq.ft./gal (2.4-3.5 m<sup>2</sup>/L)
  - Split-faced 50-100 sq.ft./gal (1.25-2.5 m<sup>2</sup>/L)
  - Ground-faced 200-250 sq.ft./gal (5-6.25 m<sup>2</sup>/L)
  - Ribbed 50-100 sq.ft./gal (1.25-2.5 m<sup>2</sup>/L)
- **Brick:**
  - Smooth 125-140 sq.ft./gal (3.1-3.5 m<sup>2</sup>/L)
  - Wire cut 50-100 sq.ft./gal(1.25-2.5 m<sup>2</sup>/L)

## VITAL STATISTICS

- Flash Point: >212°F Tag closed cup
- Boiling Point: 210°F, 760 mm Hg
- Autoignition Temp ND
- Extinguishing Media: Foams, Dry Chemical, CO<sub>2</sub>, Water Fog, spray.

## PHYSICAL PROPERTIES

- Color wet: Milky white
  - Color dry: Clear
  - Dry Time: 4-5 hours
  - Solvent: Water/Emulsion
  - Total Solids and active ingredients by wt. 20%
- Dry times are based upon 68-77 °F (20-25°C). Lower temperatures and the relative humidity will extend dry times.

## 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 #PV135 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 MSDS, #PV135, 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 your local Paver Reneu dealer.

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