



## SURFACE PREPARATION PRODUCTS

# SC-POLYMER

## 55% SOLID LIQUID POLYMER RESIN



View More Info for this Product at  
[www.surecretedesign.com/product/liquid-concrete-polymer](http://www.surecretedesign.com/product/liquid-concrete-polymer)

# SC-POLYMER

## 55% SOLID LIQUID POLYMER RESIN

### DESCRIPTION

**SC-Polymer™** is a 55% solids, concentrated, copolymer emulsion (vinyl acetate ethylene or VAE) designed for use as a fortifying admixture for cement based products. It offers these advantages:

- Improved adhesion
- Reduced permeability
- Increased abrasion resistance
- Assists the curing process
- Improved flexural strength
- Improved tensile strength
- Enhanced freeze/thaw durability
- Can be applied in very thin cross sections

**SC-Polymer** will enhance the properties of any concrete and is typically used for patching materials, bridge decks, grouts, stucco, decorative thin cement based overlays. In addition, **SC-Polymer** will create the following primers for SureCrete systems:

- SurePrime
- EcoPrime

### TEMPERATURE/CURE

Apply when surface and ambient temperatures range between 50°F (10°C) and 90°F (32°C) and will remain that way for 24 hours.

### MIXING

**SC-Polymer** replaces or substitutes for water in a cement based mix. How much is determined by the manufacturer of a mix design, taking into account the solids content (55%). Product may be diluted with water to ease in mixing. **SC-Polymer** is concentrated and is not designed to be used without diluting. Below you will find the following dilution rates that can be used. The formula of dilution should be equal parts of clean potable water to **SC-Polymer** (Example 2:1 equals 2-parts water to 1-part SC Polymer)

- |                    |     |                 |
|--------------------|-----|-----------------|
| • <b>SurePrime</b> | 1:1 | 27.5% Solids    |
| • <b>EcoPrime</b>  | 4:1 | 11% Solids      |
| • Dual Component   | 2:1 | 18% Solids (or) |
| Overlays           | 3:1 | 13.8% Solids    |

1. Using a clean mixing container, pour in the appropriate equal part of SC Polymer.
2. Add the equal parts of the clean potable water to the SC Polymer.
3. Mechanically mix with a cordless drill equipped with a "Jiffy-style" mixing blade on low to medium speed for 2-minutes.

**NOTE:** Use with "Dual Component Overlays", requires you to determine which solids content is appropriate, see the manufacturer TDS of the mix design.



### PACKAGING

32 oz (.95 L) bottle OR 5 gal (18.9 L) pail

### SHELF LIFE

Under normal conditions: when kept dry and moisture free, out of direct sunlight, the shelf life of an unopened container is (6) months from the date of purchase. Storage must be under roof, off the floor, and protected from freezing. Rotate inventory to maintain product that is within limits.

### CLEAN-UP

*Polymer Concentrate* can be cleaned up with water.

### DISPOSAL

Contact your local government household hazardous waste coordinator for information on disposal of unused product.

### LIMITATIONS

For use by trained professionals that have read the complete SDS. Do not let product freeze.

### WARRANTY

Warranty of this product, when used according to the directions, is limited to refund of purchase price, or replacement of product (if defective), at manufactures/seller's option. Sure-Crete Design Products shall not be liable for cost of labor or direct and/or incidental consequential damages.

### CAUTIONS

**KEEP OUT OF REACH OF CHILDREN. Inhalation:** If spraying, avoid prolonged breathing of airborne mist. Use NIOSH approved respirator for nuisance if threshold limit values are unsafe. **Skin Contact:** Skin contact may cause irritation. Remove contaminated clothing and wash affected skin with soap and water. Launder clothing before reuse. If symptoms persist, seek medical attention. **Eyes:** Wear safety eye protection when applying. Contact with eyes may cause irritation. Flush eyes with water for 15 minutes. If symptoms persist, seek medical attention.

### PROPERTIES

Solids	55%
Viscosity	2,400 cps
pH	4.5
Density	8.9 lbs/gal (1,066 g/L)
Mechanical Stability	Excellent
Water Resistance	Good
Film Clarity	Hazy

### SAFETY DATA SHEETS

The following are links to all available safety data sheets related to this product:

- [surface-prep-polymer-concentrate-sds.pdf](#)