

### CLEAR PENETRATING SEALER

SET9050 is a tie coat primer that bonds the basecoat of a floor system with the concrete. It is designed to penetrate and then seal the concrete but it is not recommended for use without a topcoat.

### Recommended For:

Anywhere an epoxy floor system is being applied over unsealed concrete.

### Features:

- Short Dry Time
- Excellent Adhesion
- Two-Component Pkg.
- Low VOC

### FOR INDUSTRIAL USE ONLY

**Surface Preparation:** SET9050 may be applied over cured concrete. New concrete should cure for at least 30 days before coating. Remove any tile or carpet. Residual dirt and dust should be removed by sweeping or high-pressure wash. If necessary, use concrete cleaner to remove grease, paint and oils, then rinse. If existing concrete has cracks and unevenness, epoxy weld to reinforce and correct gaps in concrete.

### Recommended Topcoats:

SET9000  
SET9200  
SET9100  
SET9300

### Colors:

Clear

### Shipping Weight:

(approximate due to color, fill level and pigment)

SET9050 1 Gal Kit: (A)8.2 lbs./ (B)2.1 lbs.

## APPLICATION DATA

### Optional Enhancers:

Not applicable

### Installation Thickness:

One thin coat.

### Dry Film Thickness:

Not applicable

### Pot Life @ 77°F (25°C):

24 hours

### Apply by Squeegee, Roller or Brush:

### Squeegee:

Solid Blade Squeegee

### AA Airless/HVLP:

Not recommended

### Roller/Brush:

3/8" to 1/2" Shed Resistant Roller

### MIXING AND THINNING:

Thoroughly mix. SET9050 has an induction time of 5-10 minutes before using. No thinning necessary.

Mixing:

SET9050 (A) : SET9050 (B) catalyst  
3 : 1

### CURE SCHEDULE @ 77°F (25°C):

	Unsealed Concrete	Sealed Concrete
<b>Tack Free</b>	1.5 hours	8.5 hours
<b>Drying Time</b>	3 hours	14 hours
<b>Curing Time</b>	3 days	3 days
<b>Recoat</b>	1.5 hours minimum 24 hours maximum	1.5 hours minimum 24 hours maximum

### STORAGE CONDITIONS:

Store indoors @ 40°F–110°F (4.4°C–43.3°C)

## CHEMICAL RESISTANCE

Although SET9050 exhibits resistance to these environments, this list is not meant to imply an express guarantee in actual service. It is recommended that the user contact Surface Engineered Technologies (SET) for specific recommendations when severe exposure is expected.

WATER

SALTS

ACIDS

SOLVENTS

ALKALIS

OILS

ANIMAL FATS

## PHYSICAL PROPERTIES

PROPERTY	VALUE*
<b>Finish</b>	Super High Gloss
<b>% Solids by Volume</b>	25% ± 2%
<b>% Solids by Weight</b>	30% ± 2%
<b>Theoretical Coverage</b>	500 sq. ft. per mixed gallon <i>The actual coverage will vary depending on porosity of cement.</i>
<b>Viscosity at 77°F (25°C)</b>	18 seconds at Zahn 2
<b>VOC Actual</b>	17.4 g/L / 0.14 lb/gal.
<b>VOC Regulatory</b>	62 g/L / 0.52 lb/gal.
<b>Flash Point</b>	Part A: >212°F (>100°C) / Part B: >212°F (>100°C)
<b>Weight of Volatiles</b>	69% ± 2%
<b>Weight of Exempt</b>	67% ± 2%
<b>Volume of Exempt</b>	71% ± 2%
<b>Shelf Life</b> (when kept at the recommended storage conditions and in original, unopened containers)	48 months @ 77°F (25°C)
<b>Pigment Type</b>	Not Applicable
<b>Solvent Type</b>	Ketones/Aromatic
<b>Vehicle Type</b>	Epoxy <b>* Values listed will be color dependent Values blended 3A:1B</b>

## SAFETY

**Read Safety Data Sheets and container label cautions and warnings for important safety and health information prior to use. KEEP OUT OF REACH OF CHILDREN.**

**Ventilation:** When using in enclosed areas, adequate air circulation must be used during and after application until the coating is fully cured. The ventilation system should be capable of preventing the solvent vapor concentration from reaching the lower explosion limit for the solvents being used. If the user is not sure or not able to monitor the levels, then use an approved (MSHA/NIOSH) respirator.

**Caution:** This product contains flammable solvents. Keep away from sparks and open flames. All electrical equipment/installations should be grounded in accordance with the National Fire Protection Association's (NFPA 70®)/National Electric Code® (NEC®). In areas where potential explosion hazards exist, personnel should be required to use non-ferrous tools and wear conductive, non-sparking shoes.

## DISCLAIMER

At the time of publication, the product and technical data contained herein is believed to be accurate by Surface Engineered Technologies (SET). SET is committed to the continual improvement of its coatings, which may cause future product/technical data to change without prior notice. Our products are intended for use by properly trained personnel in industrial applications. Product performance will depend upon surface preparation, technique, method of application, surface to be coated and environmental conditions. However, there is no guarantee of comprehensiveness, accuracy or product performance given or implied herein. SET recommends that products be tested regarding these parameters prior to final use. **Always refer to the current Safety Data Sheet before use.**

**WARRANTY:** Surface Engineered Technologies (SET) warrants its products to be free of defects in materials and workmanship. Since SET has no control over surface preparation or application methods, no guarantee concerning results is offered, expressed, or implied. If this product is found to be defective, liability shall be limited to the refund of purchase price or replacement of product.

