

## HIGH BUILD MEDIA EPOXY

PermaSET 9100 is a premium clear epoxy with exceptional self-leveling properties. 9100 is used as a media epoxy for metallic floor systems, colored quartz and is used as a topcoat/sealer for interior epoxy aggregate. As a topcoat 9100 gives the surface a glossy wet look.

## Recommended For:

- MetallicSET Floor Systems
- QuartzSET Floor Systems
- High-Build Epoxy Flooring Systems
- Exposed Aggregate topcoat/sealer

## Features:

- Decorative Seamless Floor
- Excellent Gloss Retention
- Outstanding Flow and Leveling
- Two-Component Pkg.
- Trace VOC

## FOR INDUSTRIAL USE ONLY

**Surface Preparation:** SET9100 may be applied over freshly exposed epoxy aggregate as soon as the surface has completely dried. SET9100 is used in the MetallicSET and QuartzSET Floor systems see technical bulletins for further information

## Recommended Base Coat: Colors:

Use PermaSET 9000 or HydroSET9300.

Clear

## Shipping Weight:

(approximate due to color, fill level and pigment)

SET9100 1.5 Gal Kit: (A)10.5 lbs. / (B)5 lbs.  
SET9100 15 Gal Kit: 2(A)101.6 lbs. / (B)50.8 lbs.

## APPLICATION DATA

**Optional Enhancers:**  
Not applicable

**Wet Film Thickness:**  
As a topcoat/sealer 3-4 wet mils per coat  
As a high build media coat 16-20 mils per coat

**Dry Film Thickness:**  
As a topcoat/sealer 3-4 wet mils per coat  
As a high build media coat 16-20 mils per coat

**Pot Life @ 77°F (25°C):**  
1 hour dependent upon volume.  
*Doubling the volume or an increase in temperature will shorten the pot life.*  
*Working Time @ 77°F*

### EQUIPMENT:

**Apply by Roller or Brush:**

**AA Airless/HVLP:**  
Not recommended

**Squeegee:**  
Notched Rubber Squeegee for high build applications

**Roller:**  
3/8" nap roller for topcoat/sealer applications

**Brush:**  
Natural bristle brush

### MIXING AND THINNING:

Do not mix until ready to use. Thoroughly mix. Watch the pot life. If material or ambient air is greater than 77°F (25°C) or if mixing more than a gallon of product at one time, pot life is dramatically shortened. Pour material onto surface or onto a tray as soon as possible to slow reaction time. For best results, apply when surface temperature is above 50°F (10°C), preferably above 72°F (22°C), and a minimum of 5°F (-15°C) above the dew point and relative humidity is no greater than 85%. No thinning necessary.

### Mixing:

SET9100 (A) : SET9100 (B) catalyst  
2 : 1

### CURE SCHEDULE @ 77°F (25°C):

<b>Tack Free</b>	2-4 hours
<b>Drying Time</b>	Overnight
<b>Curing Time</b>	7 days
<b>Recoat</b>	Recoat as soon as the first coat is tack free and before the first coat is dry to the touch. (degloss and recoat)

### STORAGE CONDITIONS:

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

### CHEMICAL RESISTANCE

Although SET9100 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>	99.7% ± 2%
<b>% Solids by Weight</b>	99.8% ± 2%
<b>Theoretical Coverage @ 1 mil</b>	1600 sq. ft. per gallon, depending on color <i>The actual coverage will be less depending on application techniques, job conditions and type of surface to be coated.</i>
<b>Viscosity at 77°F (25°C)</b>	63 KU / 410 CPS
<b>VOC Actual</b>	3 g/L / 0.02 lbs./gal.
<b>VOC Regulatory</b>	3 g/L / 0.02 lbs./gal.
<b>Flash Point</b>	Part A: >212°F (>100°C) / Part B: 251°F (>122°C)
<b>Weight of Volatiles</b>	0.2% ± 2%
<b>Weight of Exempt</b>	0.0% ± 2%
<b>Volume of Exempt</b>	0.0% ± 2%
<b>Shelf Life</b> (when kept at the recommended storage conditions and in original, unopened containers)	24 months @ 77°F (25°C)
<b>Pigment Type</b>	Not Applicable
<b>Solvent Type</b>	Not Applicable
<b>Vehicle Type</b>	Bisphenol A  <b>* Values listed will be color dependent Values blended 2A: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 does not contain flammable solvents. However, clean-up solvents that may be used do contain 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.

