

QUICK-DRY INDUSTRIAL EPOXY COATING

SET9200 is a premium floor coating for permanent protection with a smooth or anti-skid seamless surface. It will resist chemical exposure and withstand high traffic and mechanical abuse. A cold weather version catalyst is available.

Recommended For:

- Concrete Floors
- Walkways, Ramps and Decks (nonskid system)
- Warehousing, Manufacturing and Storage Areas
- Laboratories

Features:

- No Blush
- Short Dry Time
- Excellent Gloss Retention
- Outstanding Flow and Leveling
- Two-Component Pkg.
- Low VOC

FOR INDUSTRIAL USE ONLY

Surface Preparation: New concrete should cure for at least 30 days before coating. SET9200 may be applied over cured concrete that has been properly cleaned. Oil, grease and sealers may inhibit bonding. Any existing sealers must be removed by mechanical means such as shot blasting. For degreasing, scrub the concrete with a cleaner/degreaser and thoroughly flush with water. Wash the surface with a high-pressure washer. Apply a solution of 3:1 muriatic acid and water, using a plastic gardening can or spray can (approximately 2 gallons of solution per 100 sq. ft.). Let the solution sit and react with the concrete for 2-3 minutes. Bubbles will be evident. Scrub the surface and flush with plenty of fresh water, rinse with power wash, if possible. **IMPORTANT:** Don't allow acid solution to dry on the concrete surface. All cracks and erosion should be repaired with cementitious grout. After the grout has cured it may be necessary to use a floor buffer with either a 60-grit sanding disc or a grinding stone attachment to tone down marks and imperfections. The cleaning and acid etching procedure is to be repeated. You may also choose to repair the surface using water-washed silica and epoxy.

Recommended Primers:

If desired, use SET9300.

Colors:

Stock and custom colors are available upon request.

Shipping Weight:

(approximate due to color, fill level and pigment)

SET9200 1.5 Gal Kit: (A)12.6 lbs. / (B)4.4 lbs.
SET9200 15 Gal Kit: 2(A)123 lbs. / (B)43 lbs.

APPLICATION DATA

Optional Enhancers:

Not applicable

Wet Film Thickness:

3-16 mils installation thickness on thin film. For thick film, up to 32 mils maximum.

Dry Film Thickness:

8-16 mils

Pot Life @ 77°F (25°C):

Regular catalyst: 2.5 hours
Cold-weather catalyst: 30 minutes

Doubling the volume or an increase in temperature will shorten the pot life.

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. Relative humidity should be no greater than 85%. When temperatures fall below 70°F (21°C) curing time is slowed; when below 50°F (10°C) consult manufacturer.

Mixing:	SET9200 (A)	:	SET9200 (B) catalyst	:	SET601
	2		1		0.5
SET601 above 80°F (27°C) or SET602 below 80°F (27°C) (SET600 reducers are exempt solvents)					

CURE SCHEDULE @ 77°F (25°C):

	With Regular Catalyst	With Cold-Weather Catalyst
Tack Free	13 hours	5 hours
Drying Time	16 hours	7.5 hours
Curing Time	7 days	5 days

STORAGE CONDITIONS:

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

EQUIPMENT:

Apply by Squeegee, Roller or Brush:

AA Airless/HVLP:

Not recommended

Squeegee:

1/8" notched squeegee

Roller:

9" or 18" 3/8" nap roller

Brush:

3" natural China brush

CHEMICAL RESISTANCE

Although SET9200 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

PHYSICAL PROPERTIES

PROPERTY	VALUE*
Finish	Super High Gloss
% Solids by Volume	98% ± 2%
% Solids by Weight	99% ± 2%
Theoretical Coverage @ 1 mil	1581 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>
Viscosity at 77°F (25°C)	98 KU
VOC Actual	12 g/L / .10 lbs./gal.
VOC Regulatory	12 g/L / .10 lbs./gal.
Flash Point	Part A: >212°F (>100°C) / Part B: >212°F (>100°C)
Weight of Volatiles	0.9% ± 2%
Weight of Exempt	0% ± 2%
Volume of Exempt	0% ± 2%
Shelf Life (when kept at the recommended storage conditions and in original, unopened containers)	24 months @ 77°F (25°C)
Pigment Type	Chemical Resistant
Solvent Type	Not Applicable
Vehicle Type	Bisphenol A
	*Values listed will be color dependent Values blended 2:1

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.

