

CONTAINMENT SYSTEM / RESINOUS FLOORING

Use SET2700 where flexibility and good chemical resistance are needed. It may be used as a single layer of coating or in a multi-layered system. Replaces conventional epoxy urethane system.

Recommended For:

- Secondary Containment
- Truck Bed Liner
- Concrete Floors
- Walkways, Ramps and Decks
- Parking Garages
- Mechanical & Electrical Room Floors

Features:

- Outstanding Flexibility
- Fast Return to Service
- Two-Component Pkg.
- Trace VOC

FOR INDUSTRIAL USE ONLY

Surface Preparation: Steel: Apply urethane over clean, oil and moisture-free substrate. If cleaning is necessary, clean in accordance with SSPC-SP1. **Concrete:** New concrete should cure for at least 30 days before coating. Water content of the concrete at a depth of 2 cm should be less than or equal to 4%. May be applied over cured concrete that has been properly cleaned. Oil, grease and sealers may inhibit bonding. For degreasing, scrub the concrete with a cleaner/degreaser and thoroughly flush with water. Wash the surface with a high-pressure washer. Grind concrete to CSP 2. All cracks and erosion should be repaired with cementitious epoxy 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. You may also choose to repair the surface using water-washed silica and epoxy. **Before application, the surface must be dry or foaming may occur.**

Recommended Primers:

Not applicable

Colors:

Black, custom colors available upon request.

Shipping Weight:

(approximate due to color, fill level and pigment)

SET2700 1 Gal Kit: (A)11.5 lbs. / (B)3.5 lbs.
SET2700 4 Gal Kit: (A)57.5 lbs. / (B)12.5 lbs.

APPLICATION DATA

Optional Enhancers:
Liquid Lightning Accelerator
Will significantly decrease pot life.

Wet Film Thickness:
8–10 wet mils per coat

Dry Film Thickness:
8–10 DFT per single coat
16–20 DFT containment system

Pot Life @ 77°F (25°C):
10 minutes (avoid moisture contamination)
Consult manufacturer when using in high humidity (above 85%).

EQUIPMENT:

Apply by 3:1 Graco® Hydra-Cat plural component pump or extreme mix.

AA Tip Size:
517–526

Roller:
Urethane-grade roller

Brush:
China bristle brush, used to cut around corners

MIXING AND THINNING:

Two-component packaging. Always thin after adding catalyst. If necessary, thin up to 15%, depending on application, with SET601 or SET602 (exempt solvent).

Mixing:

SET2700 (A) : SET2700 (B)
3 : 1

Mix parts thoroughly to ensure proper reaction.

With optional Liquid Lightning Accelerator:

Add 3–8 drops per gallon.
(NOTE: Will significantly decrease pot life.)

CURE SCHEDULE @ 77°F (25°C):

Drying Time (light foot traffic)	12–24 hours
Curing Time	2 days
Recoat	Approximately 3 hours (degloss and recoat)

STORAGE CONDITIONS:

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

CHEMICAL RESISTANCE

Although SET2700 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	Gloss
% Solids by Volume	99% ± 2%
% Solids by Weight	99.4% ± 2%
Theoretical Coverage @ 1 mil	1588 mil 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)	114 KU
VOC Actual	7 g/L / 0.06 lbs./gal.
VOC Regulatory	7 g/L / 0.06 lbs./gal.
Flash Point	Part A: <212°F (<100°C) Part B: <302°F (<100°C)
Weight of Volatiles	0.58% ± 2%
Weight of Exempt	0.14% ± 2%
Volume of Exempt	0.21% ± 2%
Shelf Life (when kept at the recommended storage conditions and in original, unopened containers)	12 months @ 77°F (25°C)
Pigment Type	Chemical Resistant
Solvent Type	Solvent Free
Vehicle Type	Castor-Based Polyol * Values listed will be color dependent Values blended 3:1

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.

