

MegaSET9500

Aliphatic Urethane Floor Coating**

TECHNICAL DATA SHEET



CHEMICAL RESISTANT TOPCOAT

Clear topcoat for outstanding chemical resistance and abrasion protection in high-traffic areas. Designed as an extremely UV-stable final coat for floors coated with epoxies or polymer concrete.

Recommended For:

- Manufacturing Plants
- Chemical Storage
- Industrial Garages
- Hospitals

Features:

- Outstanding Durability
- Excellent Gloss Clarity
- Outstanding UV Protection
- Two-Component Pkg.

FOR INDUSTRIAL USE ONLY

Surface Preparation: Must be applied over sealed concrete. For existing floors, surface should be clean and free of all surface contamination, using SET500 or similar cleaner. Sand surface and remove residue prior to applying. For freshly applied epoxy or polymer concrete floors, apply within 24 hours to insure good adhesion.

Recommended Floor Systems:

Concrete must be sealed. For a final coat to go over epoxy floor, use SET9200 or urethane cement SET100.

Colors:

Clear and Stock colors available

Shipping Weight:

(approximate due to color, fill level and pigment)

SET9500 1 Gal Kit: (A)10 lbs. / (B)2.6lbs.

APPLICATION DATA

Optional Enhancers:

Liquid Lightning Accelerator
Will significantly decrease pot life.

Wet Film Thickness:

4-16 mils per coat

Dry Film Thickness:

2-8 mils total

Pot Life @ 77°F (25°C):

4 hours (avoid moisture contamination)
Consult manufacturer when using in high humidity (above 85%).
Work Time: 45 minutes.

EQUIPMENT:

Apply by Roller or Squeegee:

Squeegee:

Solid

Roller:

1/4" or 3/8" urethane-grade with shed-resistant cover

Brush:

Polyester or nylon brush

MIXING AND THINNING:

Two-component packaging. If necessary, depending on application and temperature, thin up to 25% with SET601 or SET602 (exempt solvent). Always thin after adding catalyst.

Mixing:

$\frac{\text{SET9500 (A)}}{4} : \frac{\text{SET9500 (B)}}{1}$

SET601 above 80°F (27°C) or SET602 below 80°F (27°C)

With optional Liquid Lightning Accelerator:

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

CURE SCHEDULE@ 77°F (25°C):

Tack Free	4 hours
Drying Time	7 hours
Curing Time	5 days
Recoat	Recoat within 12-16 hours (after 16 hours degloss and recoat)

STORAGE CONDITIONS:

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

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CHEMICAL RESISTANCE

Although SET9500 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

ANIMAL FATS

PHYSICAL PROPERTIES

PROPERTY	VALUE*
Finish	Super High Gloss
% Solids by Volume	48% ±2%
% Solids by Weight	53% ± 2%
Theoretical Coverage @ 1 mil	760 sq. ft. per gallon, depending on color The actual coverage will be less depending on application techniques, job conditions and type of surface to be coated.
Viscosity at 77°F (25°C)	52 KU
VOC Actual **	320g/L 2.64 lbs./gal
VOC Regulatory**	380g/L 3.17 lbs. / gal
Flash Point	Part A: >106°F (> 41°C) / Part B: >212°F (>100°C)
Weight of Volatiles	46%± 2%
Weight of Exempt	19% ± 2%
Volume of Exempt	16% ± 2%
Shelf Life (when kept at the recommended storage conditions and in original, unopened containers)	24 months @ 77°F (25°C)
Pigment Type	Not applicable
Solvent Type	Esther / PCBTF
Vehicle Type	Aliphatic Urethane

** Check your local and state air quality regulations before use. Not California VOC compliant.

*Values listed will be color dependent
Values blended 4:1

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.

Surface Engineered Technologies (SET) • Fresno, CA • 800.323.7246

● Protective Coatings ● Resinous Flooring ● Aggregates ● Compounding ● Cleaners ● Services

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