



TOP SECRET COATINGS

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TS-100 1-Part Epoxy

TS-100

The Future Is No Longer A Secret

1-Part Epoxy is our signature product. If you are looking for a protective coating that is easier to use, more durable and longer lasting than traditional catalyst-cured two component epoxy or urethane your search is over. Look no further because our innovative approach rewrites the book on epoxy itself.

It is a unique resin blend featuring a silicone-alkyd base fortified with our exclusive mono-epoxy resins producing a finish that is both hard and flexible at the same time. The finish is less likely to fade, lose its gloss, peel or crack even in high altitude, high VU environments. 1-Part Epoxy adheres to almost anything and self levels like a dream. It offers good resistance to chemicals, spilled fuel, brake fluid and dilute acids and has remarkable color and gloss retention. It is impact resistant to 500 PSI and is heat resistant to 400F.

This highly versatile product has an unusually wide variety of application possibilities including industrial, commercial, manufacturing and waterproofing applications as well as floor, marine, metal roofs, tub and shower stalls, countertops and swimming pools. When used as a floor coating it provides superior performance and durability without the worry of hot tire pick up. It can be used on any marine surface above or below the waterline! It is submersible for more than 40 years making it the answer to your waterproofing needs. Industry veterans recognize this product as being something very special.

It is easy to use because it can be brushed, rolled or sprayed and it cleans up easily. It is economical to use because it covers twice the area of most paints. The low odor formula produces a non-toxic finish acceptable for food service applications. Available in 100 colors plus clear.

Product Features:

- Waterproofs, seals, protects any substrate
- Self leveling formula
- Produces a film that is both hard and flexible
- Provides outstanding VU resistance
- High heat resistance
- Long term submerge-ability
- Self priming on many surfaces
- Offers good resistance to chemicals
- High solid low VOC formula

PERFORMANCE DATA SHEET

TS-100 1-Part Epoxy

COLOR(S): Clear and Wide Range of Colors.

PRODUCT TYPE: Silicone-Epoxy Copolymer Coating.

DESCRIPTION: Top Secret 1-Part Epoxy is a unique, high-gloss, high-performance coating that features the toughness of epoxy, and the weather-ability and durability of silicone alkyd. It is a fully submersible waterproof barrier coating resistant to many alkalis chemicals and staining agents. It is self-leveling and is acceptable in higher heat applications. It resists chipping, peeling and cracking on properly-prepared substrates and is UV stable, colorfast and wipes clean easily with a damp cloth.

INTENDED USES: Use on all properly-prepared substrates such as metals, wood, concrete, fiberglass and stone. It may be used on plastics; test for adhesion prior to a full application. It is recommended as a maintenance coating in exterior uses for home, agricultural and industrial equipment, machinery, marine use such as ships and barges, structural steel and tanks. For interior use, it may be used on walls and trim, and provides an easily-cleaned surface to help withstand moisture and vapor.

PRODUCT BENEFITS:

*High Solids, Low V.O.C.

*Self Priming on Many Surfaces

*Resistant to Many Alkalis

*Resists Peeling & Cracking

*Hard yet Flexible Film

*Self Leveling Film

*Highly Water-Resistant

*Weather-Resistant

*High Gloss with Excellent Gloss Retention

*Excellent Adhesion to prepared surfaces

*Resistant to Chalking, Fading & Chipping

*Resists the Effects of High Heat

PHYSICAL CHARACTERISTICS

VISCOSITY: 85-90 k.u.

WEIGHT SOLIDS: 70-72%

VOLUME SOLIDS: 54-56%

WEIGHT PER GALLON: 10.1 (White)

V.O.C.: 337 grams per liter

DRY TO TOUCH: 2 hours

RECOAT: 12-48 hours

COLOR RANGE: Clear and Many Colors.

COVERAGE: 400-450 sq. ft. per gallon @ 2 mil wet

FLASH POINT: 105° F.

SURFACE PREPARATION: Surface preparation is critical. Previously painted surfaces must be thoroughly cleaned and free of residues, oily film, and loose paint chips. Wire brush before painting. Areas where all of the old coating has been removed must be spot primed before applying finish coat. Use only factory recommended primers: TS-6390 Ever-Last Epoxy Primer, TS-664 Etching Primer or TS-780 Mono-Epoxy Primer. Any primer used must be of the non-lifting type (lacquer proof). Most epoxy type primers are very well suited for applications on concrete, steel, or aluminum.

NEW SURFACES: Ferrous metals, (steel, iron, etc.): Clean thoroughly, water or sandblast; prime with suitable primer as specified for the job as recommended. Aluminum: Must be thoroughly cleaned, etched and primed with TS-664 Etching Primer. Galvanized Steel: Must be thoroughly cleaned, etched and primed. Wood: Bare wood must be sealed. Seal wood before application with a diluted solution of 3 parts 1-Part Epoxy/1part TS-605 Thinner. Apply one or two sealer coats as needed. Apply two or more coats of 1-Part Epoxy over sealed surface. For Fine Finishing: Remove all surface scratches. Finish sand with 180 - 220 grit sandpaper. Remove all surface contaminants with Denatured Alcohol on a clean, lint-free cloth. **DO NOT USE TACK CLOTHS CONTAINING OILS, WAXES OR SILICONES. If Oil Stain is Used to Color the Wood:** Make sure that the stain has dried a minimum of eight hours before applying successive finishes. Apply 1 or 2 coats as its own sanding sealer for best results. Lightly sand or buff between coats with a good 220 grit sandpaper.

APPLICATION: May be brushed rolled or sprayed. For best results in brush and roll applications dilute 1-Part Epoxy 10% with TS-605 Thinner then apply two or three coats @ maximum of 2 mils wet film thickness on a per coat basis. Subsequent coats may be applied within 12-48 hours. Recoat within 48 hours or (lightly sand between coats).

THINNING: Thin with TS-605 Fast-Dry Thinner. Do not substitute.

CLEAN-UP: Clean all equipment thoroughly with TS-605 Thinner. Do not leave unused paint in spray equipment.