



## 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 UV environments. This 1-Part Epoxy adheres to almost anything and self levels like a dream. It offers good resistance to chemicals, spilled fuel, brake fluid, and diluted acids. It offers remarkable color and gloss retention and is impact resistant to 500 PSI and is heat resistant to 400F.

This highly versatile product has a wide variety of application possibilities that include industrial, commercial, and residential applications. It can also be used for waterproofing floor, marine, metal, tub, shower, countertop, and roofing applications. When used as a floor coating and with our (TS-160 accelerator/hardener) 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 withstood a 40 year submersion test making it the answer to your waterproofing needs. Industry veterans recognize this product as being something very special!

It is easy to use and can be brushed, rolled or sprayed on and it cleans up easy. It is economically friendly to use because and covers 400 square feet per gallon. The low odor formula produces a non-toxic and low VOC finish acceptable for food service applications. TS-100 is available in over 100 custom colors and/or clear.

#### Product Features:

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

# PERFORMANCE DATA SHEET

## TS-100 1-Part Epoxy

**COLOR(S):** 100+ colors and clear

**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: N/A

WEIGHT SOLIDS: 60%

VOLUME SOLIDS: N/A

WEIGHT PER GALLON: 10.1

V.O.C.: 337 grams per liter

DRIES TO TOUCH: 4-6 hours

RECOAT: 48 hours

COLOR RANGE: 100+ colors and clear

COVERAGE: 400 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.

**RECOAT PERIOD:** 24-48 hours (Temperature Dependant)

**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 quality 220 grit sandpaper.

**SIZES AVAILABLE:** quarts, half-gallons, and single gallons

**APPLICATION:** May be brushed rolled or sprayed. (If being used on a floor TS-160 hardener should be added) For best results in brush and roll applications dilute 1-Part Epoxy 10% with TS-101 Thinner and then apply two or three coats @ maximum of 2 mils wet film thickness on a per coat basis (If spraying, thin 20-25%). Subsequent coats may be applied within 12-48 hours. Recoat within 48 hours.

**THINNING:** Thin with TS-101 Self-Leveling Thinner if weather is not suitable for proper dry times and temperatures. If

proper dry times and temperatures are allowed, use TS-605 Thinner. Do not substitute.

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