



TEC-SEAL EPOXY PRIMER
TS140 White
TS143 Red

DESCRIPTION: This modified epoxy-polyamide primer is designed for the protection of steel, galvanized steel and aluminum substrates. It features fast drying and good sanding ability along with excellent corrosion resistance.

MIX RATIO: 1 :1 By Volume with TS140A

RECOMMENDED USES: Ideally suited for fleet, OEM, or general industrial applications. This primer is designed to be an undercoat for two-component urethanes.

TECHNICAL DATA

Theoretical Coverage (Mix): 600.59 square ft/ gallon @1 Mil	Gloss @60°angle: 10 – 30
Weight Per Gallon: A:13.319 ± 2% B:7.427± 2% Mixed: 10.373 ± 2%	Viscosity: A: 75 - 80 KU B: 17 - 23 min #2 S90 Zahn Cup@77°F Mixed: 75 – 80 KU
Solid Content: A: 73.60% (Wt.) 49.63% (Vol) B: 30.07% (Wt.) 25.26% (Vol) Mixed: 51.83% (Wt.) 37.44% (Vol)	Organic Solvent: A: 26.03% (Wt.) 50.37% (Vol) B: 69.93% (Wt.) 74.81% (Vol) Mixed: 47.98% (wt.) 62.59% (Vol)
VOC (less water): A: 3.46 Lbs./ Gal B: 5.19 Lbs/ Gal Mixed: 4.33 Lbs/ Gal	Environmental Codes: Lead or Chromate Free
Recommended Dry Film Thickness 2.0 – 5.0 Mils dry per coat	Sag: 10+ Mils Wet
Drying Time @70°F, 50%RH To Touch: 10 - 20 minutes	Pot Life: 6 -8 Hours
Dry Hard: 2 - 3 Hrs. Dependent on Temperature & Humidity	Temperature Limit (Dry): 200 - 250°F
To Sand: Overnight	Recoat Time: 4 Hours
	Thinner: R1799 or R140

IMPORTANT INFORMATION

- Higher relative humidity increases dry time, provide air movement.
- Do not spray if surface air or product temperature is below 50°F, or at any temperature when ambient air temperature is below 5°F of the dew point to prevent moisture from condensing on the surface on the surface to be painted on the freshly painted surface.
- Store at room temperature if possible.
- May be forced dried at 150°F for 5.

- If bubbling occurs during forced dry, longer flash times or lower oven temperatures with dwell times may be required.

MIXING AND THINNING

Thoroughly mix 1 part of the TS140 base and 1 part activator. Shake or agitate base component to a creamy texture before use as some phase separation is normal. Allow mixed components 15 – 30 minutes induction time before thinning and applying. Must be thinned 10 - 20% for proper application. May be recoated within 4 hours, but no maximum recoat interval in most cases; consult **TCI** for specific information. This product is generally tolerant of poorly prepared surfaces and contains no toxic lead or chromium as non-toxic pigments are used for corrosion protection and safer preparation work.

SURFACE PREPARATION

Surfaces to be painted must be dry and free from dirt, loose paint, oil, grease, wax, and other contaminants. All heavy rust and loose mill scale must be removed. Follow SSPC SP2-63 "Hand Cleaning" instructions. Remove oil and grease by washing with R-688 reducer or any other brand of Xylene. Roughen the surface of all slick or glossy substrates by sanding.

APPLICATION

For conventional air spray, airless, HPLV applications. Brush for touch-up.

CLEAN UP

Use ketones such as acetone or Xylene.

HANDLING PRECAUTIONS

WARNING: *Flammable!*

Keep away from heat or open flame.

Use with adequate ventilation.

Avoid prolonged or repeated contact with skin and breathing of vapor or spray mist.

Do not take internally.

Close container after each use.

These products contain solvents and/or other chemical ingredients. Adequate health and safety precautions should be observed during all storage, handling, use and drying periods. For best results and safest usage, the user is specifically directed to consult the current "Material Safety Data Sheet" for this product. When using this product in a confined space or closed area, consult the current OSHA or ANSI bulletins on safety requirements.