

# WT-113

## WATER-BASED 2 COMPONENT WATER BASED EPOXY 51-XX

### DESCRIPTION

**TUF-TOP WT-113** is a very durable, chemical resistant 2-component Poly Amide Epoxy enamel for use on concrete and masonry floors & walls, as well as metal. **TUF-TOP WT-113** combines the durability of solvent-based Epoxy's with the ease and safety of water-based paints.

### USES

- AUTO SERVICE GARAGES
- WAREHOUSE FLOORS
- INSTITUTIONAL FLOORS AND WALLS
- CONCRETE OR METAL SURFACES



### FEATURES

- WITHSTANDS MOST COMMON CHEMICALS
- WATER REDUCIBLE AND WATER CLEANUP
- EXCELLENT DURABILITY/ CLEANABILITY
- ATTRACTIVE SEMI-GLOSS SHEEN

*MAY BE CLEARCOATED WITH TPU-122, TPU-188 or WBU CATALYZED CLEAR SEALERS FOR CHIP APPLICATIONS*

### PREPARATION

- **New or Unpainted Concrete** -- Make sure concrete is sound and not crumbling. Dirt, oil, grease, mold and mildew, and any other contaminants must be removed from the surface and pores of the concrete to insure that the paint has good contact with the concrete. Remove oil, grease, Chalk, and any other contaminants with strong detergent, TSP, or degreasers and rinse thoroughly. Make certain algae or mildew is treated with bleach and rinse thoroughly. It is often advisable to pressure wash the surface to insure complete removal of the contaminants. Slick or smoothly trowelled bare masonry surfaces must be etched with a 10% muriatic acid solution until the concrete pores are opened up and a sandpaper-like (220 GRIT) feel is given to the concrete. Acid must be thoroughly pressure washed off after application. *Be certain that there are no silicone/silicate type sealers or water repellents on the floor.*
- **Over Old Paint** -- TUF-TOP WT-113 may be applied over most paints if they are firmly bonded to the surface, a test patch and adhesion test is recommended to insure compatibility. Best adhesion will be obtained by grinding the surface back to bare concrete. Old coatings should be abraded with 120-220 grit sandpaper to provide a tooth for adhesion. Make sure the surface is free from any contaminants--follow cleaning directions for new concrete, do not acid etch over old coatings. TUF-TOP WT-113 may not adhere satisfactorily to some epoxies, polyurethane's, and silicate sealers. If uncertain, apply a test patch of TUF-TOP WT-113 and check adhesion with duct tape after 2-3 days. Press tape down firmly on test patch and pull up sharply. If the paint pulls from the surface, there is an adhesion problem and TUF-TOP WT-113 should not be used.

### APPLICATION (SEE PRODUCT APPLICATION SHEET FOR COMPLETE APPLICATION INFORMATION)

- **New or Unpainted Concrete** -- Mix together both components of TUF-TOP WT-113 well prior to use, *mix only enough product that can be applied in two hours.* Apply with roller (sheepskin or shed proof micro fiber), brush, or airless. Apply first coat, allow to dry (12 hours depending on weather), and apply second coat. Allow new concrete to cure for a minimum of 30 days before painting, all curing compounds and form oils must be removed to insure adhesion. Second or additional coats must be applied within 36 hours of the previous coat. Sanding/abrading will be needed to achieve adhesion after 36 hours.
- **Over Old Paint** -- Old coatings must be sound and firmly adhered. Old coatings should be abraded with 120 - 220 grit sandpaper to provide a tooth for adhesion. Apply with roller, or brush. For most applications, two coats are preferred. Apply first coat, allow to dry (8 - 12 hours depending on weather), and apply second coat at right angles to first coat.
- **CLEAR SEALING** -- If a clear sealer is desired, it must be applied a minimum of 12 hours and a maximum of 36 hours after the final coat of WT-113.

## DRYING TIME

- Dry to Touch: 24 hours
- To recoat: 12 hours minimum, 48 hours maximum. Scuff sand after 48 hours.
- Light Traffic: After overnight drying at 75°F.
- 72 hours are generally required before driving vehicles on. Maximum cure will be achieved in 5 - 7 days. Low temperatures and high humidity can extend drying and curing time. Moisture and dew on the surface will halt the curing and should be taken into consideration.

## CLEAN-UP

Clean equipment with warm soapy water. Clean all equipment immediately after use. Once WT-113 dries, strong solvents must be used to clean up.

## COVERAGE

Smooth Concrete -- 200 to 250 sq. ft. per gallon per coat. 2 coats are required.

Note: Actual coverage rates vary depending on surface texture and method of application.

## LIMITATIONS

- Do not apply when air or surface temperatures are below 50°F (10°C) or are expected to fall there before coating can dry.
- Do not apply when air or surface temperatures exceed 90°F or lap marking may occur.
- Do not apply to a wet or damp surface.
- Do not apply when it may rain or if dew may condense on the surface before paint will have a chance to dry.
- Allow for slow drying during high humidity.
- Do not allow to freeze. Store above 32°F (0°C).
- Resistant to gasoline, oil, grease, and most chemicals. Brake fluid must be wiped from the surface as soon as possible and may soften the film temporarily.
- Will amber/yellow with U.V. exposure. Clear Sealer will yellow significantly.
- NOT RECOMMENDED FOR EXTERIOR USE, OR USE IN AREAS THAT RECEIVE FULL SUN -- CHALKING MAY RESULT

## TECHNICAL DATA

SOLIDS/VOLUME	39 % (white)-depends on color
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COVERAGE	175-250 sq. ft./gal per coat depending on porosity and texture of substrate
DILUENT	Water
CLEAN-UP	Soap and Water
VOC CONTENT	175 GR/LITER
ODOR	Slight
APPEARANCE	Depends on color
LIGHT STABILITY	Fair
DURABILITY	Excellent
ABRASION RESISTANCE	Very good-Excellent
GASOLINE RESISTANCE	Excellent
CHEMICAL RESISTANCE	Very good
WATER RESISTANCE	Excellent
BONDING	Excellent
POT LIFE	2.5 - 3.5 Hours @ 70°F 1 gal. Mix 1.5 - 2.5 Hours @ 70°F 5 gal. Mix
C.O.F.*	0.62 - 0.86 (With Rhino Hide Coarse Skid Resistant Additive: 0.68 - 0.92) with 30/65 sand: 0.74 - 0.98

\* COEFFICIENT OF FRICTION WILL VARY DEPENDING UPON APPLICATION METHOD, FILM BUILD, SUBSTRATE PROFILE, AND SURFACE CONTAMINATION. REFERENCE LISTED IS OVER A SMOOTH TROWLED SURFACE.

\*\*\*This coating though resistant, is not a guarantee against tire staining. All tires have the potential to leave rubber bleed stains under certain conditions. To avoid this, park on Plexiglas, lexan, masonite or carpet squares to avoid staining.

### CAUTION:

THIS IS A GLOSSY PAINT AND IT WILL GET SLIPPERY WHEN WET. IF THE SURFACE HAS NOT ALREADY BEEN TREATED TO REDUCE SLIP HAZARDS, SAND OR OTHER MATERIAL SHOULD BE ADDED TO THIS PRODUCT BEFORE OR DURING APPLICATION TO REDUCE THIS CONDITION. IT IS THE SOLE RESPONSIBILITY OF THE APPLICATOR OR OWNER TO DETERMINE THE SUITABILITY AND SAFETY OF APPLYING THIS PRODUCT IN AREAS OF PEDESTRIAN TRAFFIC.

**CAUTION: DO NOT TAKE INTERNALLY. CLOSE CONTAINER AFTER USE. KEEP OUT OF THE REACH OF CHILDREN.**

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