

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
- ATTRACTIVE SEMI-GLOSS SHEEN

MAY BE CLEARCOATED WITH TPU-188 or TPU-122 NOMAR CATALYZED CLEAR SEALERS FOR CHIP APPLICATIONS AND GREATER TIRE MARKING RESISTANCE. MAX TINT PER GAL. 4/OZ LTB 8/OZ DTB & 16/OZ CTB

PREPARATION

- **New or Unpainted Concrete** -- Make sure the concrete is sound and not crumbling. Dirt, oil, grease, mold/mildew, and all other contaminants must be removed from the surface and the pores of the concrete to ensure that the paint has good contact with the concrete. Remove oil, grease, chalk, and any/all other contaminants using a strong detergent, TSP, or degreaser and rinse thoroughly. Make certain algae and/or mildew is treated with bleach and rinsed thoroughly. It is advisable to pressure wash the surface (when possible) to ensure complete removal of any/all contaminants. Slick or smoothly-trowelled bare masonry surfaces must be etched with a 10% muriatic acid solution until the concrete pores are opened and a sandpaper-like (120 GRIT or rougher) feel is achieved. The acid must be thoroughly removed via wet mopping the surface with a clean mop head. *Be certain that there are no silicone/silicate type sealers or water repellents on the floor, which would have to be removed via grinding, or other means, before application.*
- **Over Old Paint** -- TUF-TOP WT-113 may be applied over most paints if they are firmly bonded to the surface. Apply a test patch/sample, then perform an adhesion test to ensure compatibility. Adhesion will be best obtained by grinding the surface back to bare concrete, creating a profile on the surface. Old coatings should be abraded/dulled with 80-120 grit sandpaper to provide the proper profile for adhesion. Make sure the surface is free from any/all contaminants--follow cleaning directions for new concrete, do not acid etch old coatings. TUF-TOP WT-113 may not adhere satisfactorily to some epoxies, polyurethanes, and silicate sealers. If uncertain, apply a test patch of TUF-TOP WT-113 and check adhesion with duct tape after 5-7 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*. Mix 4-parts "A" (color) to 1-part "B" (catalyst) thoroughly for a minimum of 2 minutes. Mechanical mixing is suggested. Apply with a 3/8" to 1/2" roller cover (microfiber), brush, or airless. Apply first coat, allow to dry (12 hours depending on weather), then apply a 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 ensure adhesion. **Must apply two coats for a uniform finish. Do not roll back into the coating once it starts to set up.**
- **Over Old Paint** -- Old coatings must be sound and firmly adhered. Old coatings should be abraded with an 80 - 120 grit sandpaper to provide a profile for adhesion. Apply with roller, or brush. Apply first coat, allow to dry (8 - 12 hours depending on weather), and apply second coat at right angles to first coat. **Must apply two coats for a uniform finish.**

THIS COATING WILL NOT WITHSTAND HYDROSTATIC PRESSURE. A CALCIUM CHLORIDE TEST TO CONFIRM THE AMOUNT OF MOISTURE PRESENT IS RECOMMENDED PRIOR TO APPLICATION, OR TAPE A 2'X2' PLASTIC SHEET TO THE BARE CONCRETE FLOOR. TAPE ALL 4 EDGES TO COMPLETELY SEAL THE PLASTIC TO THE FLOOR. ALLOW TO REMAIN FOR 36-48 HOURS. IF THE CONCRETE DARKENS, IS WET, OR IF CONDENSATION IS VISIBLE ON THE PLASTIC THERE IS A MOISTURE SOURCE UNDER THE CONCRETE SLAB AND THE FLOOR SHOULD NOT BE COATED UNTIL THE CONDITION HAS BEEN CORRECTED.

DRYING TIME

- Dry to Touch at 12-24 hours. Light Traffic after overnight drying at 75°F.
- 72 hours are generally required before driving vehicles on the floor. Maximum cure will be achieved in 5 - 7 days. Low temperatures and high humidity can extend drying and curing times. Moisture and dew on the surface may halt the curing and should be considered.

RECOAT

All applications must be made within 48 hours of the previous coat or adhesion issues may occur. If re-coating beyond 48 hours, scuff-sand the previous coating to dull the finish. Clear sealers must be applied within 48 hours of the epoxy.

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 – 2 coats required on all surfaces

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 the 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 the 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 may yellow significantly.
 - *NOT RECOMMENDED FOR EXTERIOR USE OR USE IN AREAS THAT RECEIVE FULL SUN -- CHALKING MAY RESULT*
- ***This coating though resistant, is not a guarantee against tire staining. Vehicular tires from cars, golf carts, trucks, tractors and boat trailers 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.

TECHNICAL DATA

SOLIDS/VOLUME	39 % (white)-depends on color
SOLIDS/WEIGHT	52.6 % (white)-depends on color
COVERAGE	175-250 sq. ft./gal per coat depending on porosity and texture of substrate
DILUENT	Water
CLEAN-UP	Soap and Water
VOC CONTENT	250 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	2.0 - 2.5 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.

CAUTION:

THIS IS A SMOOTH, GLOSSY PAINT AND IT WILL GET SLIPPERY WHEN WET. IF THE SURFACE HAS NOT ALREADY BEEN TREATED TO REDUCE SLIP HAZARDS, AN ANTI-SLIP AGGREGATE (RHINO-HIDE) SHOULD BE ADDED TO THIS PRODUCT BEFORE, OR DURING, APPLICATION TO REDUCE THIS CONDITION. IT IS THE SOLE RESPONSIBILITY OF THE APPLICATOR, PROPERTY MANAGER, AND/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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