



TUF-TOP COATINGS

SINCE 1938

SILICONE ACRYLIC WATER REPELLENT CONCRETE SEALER 12-XX

TUF-TOP SILICONE ACRYLIC WATER REPELLENT SEALER is a very durable , deep penetrating, solvent-based water repellent sealer for use on concrete driveways, garages, walkways, pool decks, patios, vertical and split face block, masonry walls, and any concrete surface that needs protection and beautification.

The very unique formulation of TUF-TOP SILICONE/ACRYLIC SEALER allows for deep penetration into concrete to give very long lasting color and protection. Old, stained, unsightly areas are easily transformed into very attractive areas with TUF-TOP SEALER. TUF-TOP SEALER to be resistant to ultraviolet rays, oil, grease, driving rains, and hot tire pick-up. Because of it's water repellent qualities it will also prevent spalling /cracking as well as inhibiting mold and mildew growth.

USES:

CONCRETE, BLOCK & MASONRY SURFACES

HORIZONTAL & VERTICAL SURFACES

CONDOMINIUM & APARTMENT WALKWAYS



FEATURES:

PENETRATES & SEALS

EXCELLENT EXTERIOR DURABILITY

WEAR RESISTANT

RESISTANT TO HOT TIRES

PREPARATION:

(NEW OR UNPAINTED CONCRETE) - Make sure concrete is sound and not crumbling. All surfaces to be painted must be free of contaminants including but not limited to : dirt, oil, grease, mold and mildew, curing compounds and sealers . These contaminants must be removed from the surface and pores of the concrete to insure the stain has good contact with the substrate. Oil and grease should be scrubbed clean with detergent or trisodium phosphate diluted in water. Mildew and mold should be killed with bleach. Best results will be obtained with additional pressure cleaning. **New or bare** concrete should be etched with muriatic acid /water (1:2). Allow acid solution to react for 15-20 minutes on the surface. Do not allow the solution to dry out. Smooth trowelled concrete must be etched until a 120-220 grit sandpaper like feel is obtained. Etching opens up the pores of the concrete to allow penetration of the stain. Concrete should be thoroughly pressure washed/scrubbed, rinsed, and allowed to dry completely (24 hrs minimum) before staining.

NOTE: ALL NEW CONCRETE SHOULD BE ALLOWED TO CURE FOR 45 DAYS PRIOR TO APPLYING STAIN.

(OVER OLD PAINT)- TUF-TOP STAIN may be applied over most xylene based acrylic stains if they are firmly bonded to the surface (a small test patch is recommended). Make sure the surface is free of contaminants- follow cleaning instructions for new concrete. **TUF-TOP CONCRETE WATER REPELLENT will not adhere satisfactorily to epoxies, polyurethanes, alkyds, water-based floor paints, silicate sealers, curing compounds, membranes, surface hardeners, etc.**

APPLICATION:

Apply with roller, spray, or brush. . Stir contents thoroughly to insure an even mixture of pigments and resins. Apply at a rate 100 - 250 square feet per gallon depending on the profile\ and porosity of the surface. **WORK THE COATING INTO THE SURFACE TO PREVENT PENETRATION BUBBLING.** Two coats are recommended for satisfactory results. May be recoated in 12 hours under good drying conditions.

DRYING TIME:

DRY TO TOUCH: 30 MINUTES RECOAT AND LIGHT TRAFFIC : 12 HOURS VEHICLES: 72 HOURS
These dry times are for 75 degree temperatures and medium humidities. Low temperatures will extend drying and curing time. Moisture and dew on the surface will stop the curing the surface dries again.

LIMITATIONS FOR TUF-TOP SILICONE ACRYLIC SEALER

• NOT NEOTZ, CALIFORNIA, OR ARIZONA COMPLIANT

- Do not apply when air or surface temperatures exceed 90F or lap marking/bubbling may occur
- Do not apply to wet or damp concrete. Excessive moisture in concrete will inhibit the penetration of the stain and cause improper curing. Flaking or lifting of the stain may occur later.
- Do not apply when it may rain or if dew may condense on the surface before the paint has proper time to dry.
 - Allow for slow drying during cold weather and high humidity.
- Although resistant to oil, grease and most household chemicals, TUF-TOP STAIN will soften if exposed to gasoline. If gasoline is spilled on the surface allow it to evaporate rather than wiping it up. This will allow the coating to recover and harden. Also note that muriatic acid and concentrated bleach may cause some discoloration. It is recommended these substances be rinsed off immediately.
- **DO NOT APPLY OVER STAMPED CONCRETE! STAMPED CONCRETE IS USUALLY PUT DOWN WITH FORM OILS, HARDENERS, SILICATE SEALERS, WAXES, POLYURETHANE CLEARS AND STAINS. ALL OR ANY OF THESE WILL CAUSE ADHESION PROBLEMS.**
- Not for use below grade or in areas subjected to hydrostatic pressure.

TECHNICAL DATA

(Varies with color, data shown is for white)

SOLIDS/VOLUME	27% depends on color
SOLIDS/WEIGHT	44% depends on color
COVERAGE	100-250 sq... ft./gal depending on porosity and texture of substrate
CLEAN-UP	Xylene or Toluene
VOC CONTENT	Less than 600 gpl/5.0 lb/gl.
ODOR	Solvent Odor
APPEARANCE	Matte finish -colors / Gloss finish -clear
LIGHT STABILITY	EXCELLENT
DURABILITY	EXCELLENT
ABRASION RESISTANCE	EXCELLENT
GASOLINE RESISTANCE	FAIR
CHEMICAL RESISTANCE	GOOD- Avoid strong cleaners/degreasers
WATER RESISTANCE	EXCELLENT
BONDING	VERY GOOD
AIM CATEGORY	WATER REPELLENT SEALER
C.O..F.	.64 - .78 (With Rhino Hide .84- .96)

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

FOR VERTICAL APPLICATIONS, PLEASE REFER TO THE TUF-TOP SILICONE ACRYLIC DATA SHEET FOR MORE DETAILED INFORMATION.

MEETS OR EXCEEDS THE FOLLOWING TEST METHODS

G-23-F 2000 HRS.

TT-C-555b

CAUTION: BE AWARE THAT SOME STAINED PEDESTRIAN SURFACES MAY BECOME SLIPPERY WHEN WET. IF THIS STAIN BUILDS ON A HORIZONTAL OR SLOPED SURFACE, OR IS APPLIED OVER OILS PAINT OR STAIN, THIS COATING MAY GET "SLICK" WHEN WET. IF THE SURFACE HAS NOT ALREADY BEEN TREATED TO REDUCE SLIP HAZARDS, SAND OR OTHER GRITTY MATERIAL MY 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 PRODUCTION AREAS OF PEDESTRIAN TRAFFIC.**

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

MANUFACTURED BY: TUF-TOP COATINGS DIVISION OF MARINE INDUSTRIAL PAINT CO.INC. ST. PETERSBURG, FL.
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LIMITATION OF LIABILITY: The Manufacturer and/or seller warrants that if any goods supplied prove defective in workmanship or material, that Manufacturer and/or seller shall replace them or refund the purchase price. This warranty is made in lieu of any and all other warranties expressed or implied. Before application, the User shall determine the suitability of the product for his intended and User assumes all risks and liabilities. whatsoever in connection therewith Under no circumstances shall the Manufacturer and/or Seller be liable for incidental, consequential or other damages for alleged negligence, breach or warranty, or strict liability arising out of use or handling of this product. The sole liability of Manufacturer and/or Seller for any claims arising out of the use or sale of the product shall be for User's purchase price.