

TUF-TOP

SILICONE ACRYLIC WATER REPELLENT CONCRETE SEALER

DESCRIPTION

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 block, split face block, masonry walls, and any other concrete and masonry surface that needs protection and beautification. The very unique formulation of TUF-TOP SILICONE / ACRYLIC SEALER allows for deep penetration into concrete to give long lasting color and protection. Old, stained, unsightly surfaces are easily transformed into very attractive areas with TUF-TOP SILICONE ACRYLIC SEALER. It is formulated to be resistant to ultraviolet rays, oil, grease, driving rains, and marking from hot tires. The water repellent qualities will help prevent spalling and cracking, and inhibit mold and mildew from forming.

USES

- CONCRETE, BLOCK, AND MASONRY SURFACES
- HORIZONTAL AND VERTICAL SURFACES
- CONDOMINIUM AND APARTMENT WALKWAYS

FEATURES

- PENETRATES & SEALS
- EXCELLENT EXTERIOR DURABILITY
- WEAR RESISTANT
- RESISTANT TO HOT TIRES

PREPARATION

- **New or Unpainted Concrete** -- Make sure the concrete is sound and not crumbling. All surfaces to be painted must be free of dirt, dust, oil, grease, mold/mildew, curing compounds & sealers, and any/all other contaminates. Contaminants must be removed from the surface and pores of the concrete to ensure that the stain has good contact with the substrate and is able to penetrate the surface. Oil & grease should be removed with a detergent or trisodium phosphate diluted in water. Mildew should be killed with bleach or chlorine. Best results will be obtained with pressure cleaning. New or bare concrete may be etched with muriatic acid (1-part acid to 2-parts water) if needed. Allow the acid solution to react for 15-20 minutes on the surface. Do not allow the solution to dry. Smooth-trowelled concrete must be etched until an 80-120 grit sandpaper-like feel is obtained. Etching opens up the pores of the concrete to allow penetration of the stain. Concrete should then be thoroughly pressure washed and/or wet mopped with water and allowed to completely dry (24 hours min.) before staining.

NOTE: All new concrete should be allowed to cure for 45 days prior to application.

- **Over Old Paint** -- TUF-TOP Silicone Acrylic Concrete Sealer may be applied over most existing xylene-based acrylic stains/sealers if they are firmly bonded to the surface (a small test patch is recommended). Make sure they are free of any contaminates —follow cleaning directions for new concrete. Do not acid etch. TUF TOP CONCRETE WATER REPELLENT SEALER will not adhere satisfactorily to epoxies, polyurethanes, alkyds, water-based floor paints, silicate sealers, curing compounds, membranes, surface hardeners, etc. A test patch and adhesion test is recommended prior to re-coating.

APPLICATION

- Stir contents thoroughly to assure even mixture of pigments and resins.
- Apply with a roller, sprayer, or brush.
- Apply at a rate of 100 to 250 square feet per gallon depending on profile and porosity of surface.
- *Work the sealer into the concrete surface thoroughly to avoid penetration bubbling.*
- For most applications, two coats are recommended. May be recoated in 12 hours under good drying conditions.
- Do not work/roll into areas that are already setting up. This can cause an uneven finish.

DRYING TIME

- Dry to touch: 15 minutes
- Recoat & Light Foot Traffic: 12 hours
- Vehicles: 72 hours

These dry times are for 75°F temperatures and medium humidities. Low temperatures will extend drying and curing time. Moisture and dew on the surface will stop the curing until the surface dries again.

LIMITATIONS

- Do not apply to a surface where the temperature exceeds 110°F or below 35°F
- Do not apply to wet or damp concrete. Excessive moisture in the 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 sealer/paint will have a chance to dry.

- Allow for slow drying during cold weather and/or high humidity.
- Resistant to oil, grease, most household and pool chemicals. Gasoline will soften the coating. If gasoline is spilled, allow it to evaporate rather than wiping it up—the coating will then recover and harden. Also note that muriatic acid and/or concentrated bleach may cause discoloration and should 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 is for White / Clear)

SOLIDS/VOLUME	27 / 33.5% depends on color
SOLIDS/WEIGHT	44 / 30.2 % 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/gal
ODOR	Solvent Odor
APPEARANCE	Matte/satin finish-Colors / Gloss finish-Clear
LIGHT STABILITY	Excellent
DURABILITY	Excellent
ABRASION RESISTANCE	Excellent
GASOLINE RESISTANCE	FAIR
CHEMICAL RESISTANCE	Good - Avoid strong cleaners/degreasers, acids and alkaline products
WATER RESISTANCE	Excellent
BONDING	Very good
AIM CATAGORY	Water Repellent Sealer
C.O.F.*	0.64 - 0.78 - (with RHINO HIDE Skid Resistant Additive: 0.84 - 0.96)

* 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 marking/staining. All tires have the potential to leave brown rubber bleed stains under certain conditions. To avoid staining, park on Plexiglas, Lexan, or carpet squares.

FOR VERTICAL APPLICATIONS, PLEASE REFER TO SILICONE ACRYLIC VERTICAL DATA SHEET FOR MORE DETAILED INFORMATION

MEETS OR EXCEEDS THE FOLLOWING TEST METHODS

G-23-F	2000 HRS
TT-C-555b	NO EFFECT

CAUTION:

BE AWARE THAT SOME STAINED PEDESTRIAN SURFACES MAY BECOME SLIPPERY WHEN WET. IF THIS SEALER BUILDS ON A HORIZONTAL OR SLOPED SURFACE OR IS APPLIED OVER OLD PAINT OR STAIN, THIS COATING MAY GET "SLIPPERY" WHEN WET. IF THE SURFACE HAS NOT ALREADY BEEN TREATED TO REDUCE SLIP HAZARDS, AN ANTI-SLIP AGGREGATE 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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