



# TUF-TOP COATINGS

SINCE 1938

## SILANE/ACRYLIC WATER REPELLENT MASONRY, BLOCK & CONCRETE SEALER 13-XX

TUF-TOP SILANE / ACRYLIC SEALER is a durable, Silane modified, deep penetrating solvent-based stain specially formulated for use on tilt-up panels, pre-cast, poured in place concrete, vertical block, split face block and masonry walls. The very unique formulation of TUF-TOP SILANE/ACRYLIC SEALER allows for deep penetration into concrete to give a long lasting stain, as well as "breathable" water repellent finish that withstands hurricane force wind driven rain (SS-W-110C).

### USES:

POURED IN PLACE CONCRETE &  
TILT UP PANELS

SOUND BARRIERS & MEDIANS

SPLIT FACED BLOCK, CMU, DECO BLOCK

STUCCO, BRICK & MORTAR

D.O.T BRIDGE SUPPORTS,  
SOUND WALLS  
AND DIVIDERS

POROUS CONCRETE SIDEWALKS

PATIOS



### FEATURES:

PENETRATES & STAINS

EXCELLENT EXTERIOR  
DURABILITY

"BREATHABLE" FINISH

AVAILABLE IN :

GLOSS

SEMI-GLOSS /SATIN

FLAT

### PREPARATION:

(NEW OR UNPAINTED CONCRETE) - Make sure the concrete is sound and not crumbling. All surfaces to be coated must be free of all contaminants including, but not limited to: oil, grease, dirt, mold and mildew, curing and release compounds, and sealers of any kind. Oil and grease should be removed by scrubbing with a strong 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 as well as smooth pre-cast, tilt-up, and poured concrete should be first etched with muriatic acid (1:2) and water. Allow the acid solution to react with the surface for 15 - 20 minutes. Concrete should then be thoroughly pressure washed to remove all traces of acid and allowed to dry completely (24 hours minimum) before staining. A sand/water blast to a 1 - 1.5 mil. profile may be used in lieu of acid etching.

**NOTE: ALL NEW CONCRETE/MASONRY/STUCCO SHOULD BE ALLOWED TO CURE FOR 45 DAYS BEFORE APPLYING STAIN. DO NOT COAT SURFACES THAT HAVE A pH HIGHER THAN 11.0 OR COLOR BURNOUT AND POOR PERFORMANCE MAY RESULT. MAY NOT ADHERE TO SOME FLEXIBLE JOINT SEALERS / CAULK..**

(NEW OR UNPAINTED STUCCO) - Make sure the surface is sound and not crumbling. All surfaces must be clean, dry and free from all old coatings and contaminants. New stucco should be allowed to cure for a minimum of 30 days, or until a pH reading of 11.0 or lower is achieved. Pressure wash the surface to remove all traces of contaminants. Allow to dry (minimum 24 hrs.) before staining.

(NEW OR UNPAINTED BLOCK) - Make sure the concrete is sound and not crumbling. All surfaces must be free of surface contaminants (see list under new or unpainted concrete). Pressure wash the surface to remove surface contamination and efflorescence. Allow to dry completely, 24 hours under favorable conditions (Maximum 20 % moisture) before coating.

### APPLICATION:

Apply with roller, brush, or spray. Stir contents thoroughly to insure an even mixture of pigments and resins. Apply at a rate of 50 - 200 sq.ft./gal. depending on profile and porosity of surface. A wet edge must be kept to avoid lap marking/flushing. For exact coverage rates to achieve water repellency, a mock application should be applied and a Rilem Tube Test should be performed. Call TUF-TOP for details. For most applications two coats are recommended. Surface may be recoated in 4-6 hours under good drying conditions.

# DRYING TIME:

DRY TO TOUCH: 15 MINUTES RECOAT: 4 - 6 HOURS  
THESE DRY TIMES ARE FOR 75 DEGREE FAHRENHEIT 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:

NOT RECOMMENDED FOR TRAFFIC BEARING SURFACES

DO NOT APPLY WHEN AIR OR SURFACE TEMPERATURES EXCEED 90 FOR LAP MARKING MAY OCCUR.

DO NOT APPLY TO WET OR DAMP CONCRETE. EXCESSIVE MOISTURE IN THE CONCRETE WILL INHIBIT  
THE PENETRATION OF THE STAIN AND MAY CAUSE IMPROPER CURING. FLAKING OR LIFTING OF THE  
SEALER MAY LATER OCCUR.

DO NOT APPLY IF IT MAY RAIN OR IF DEW MAY HAVE A CHANCE TO CONDENSE ON THE SURFACE  
BEFORE PAINT WILL HAVE A CHANCE TO DRY.

ALLOW FOR SLOW DRYING DURING COLD WEATHER AND HIGH HUMIDITY.

DO NOT APPLY OVER PREVIOUSLY COATED OR NEW STAMPED CONCRETE. STAMPED CONCRETE  
IS USUALLY PUT DOWN WITH FORM OILS, HARDENERS, SILICATE SEALERS, WAXES, POLYURETHANE  
CLEAR AND STAINS.. ANY IF NOT ALL OF THESE WILL CAUSE ADIESTION PROBLEMS.

ALL NEW CONCRETE, MASONRY, STUCCO SHOULD BE ALLOWED TO CURE FOR 15 DAYS BEFORE  
APPLYING STAIN. DO NOT COAT SURFACES THAT HAVE A pH HIGHER THAN 11.0, COLOR BURNOUT  
AND POOR PERFORMANCE MAY RESULT.

WILL ACHIEVE WATER REPELLENCY ON MOST MASONRY SURFACES, EXTREMELY POROUS OR HEAVILY  
AIR ENTRAINED SUBSTRATES MAY REQUIRE ADDITIONAL APPLICATION OF WATER REPELLENTS.

*SILANE ACRYLIC SEALER WILL NOT INHIBIT WATER PENETRATION THROUGH CRACKED, OR  
UN SOUND SURFACES WITH DEFECTIVE FLASHING, CAULKING, OR STRUCTURAL WATER PROOFING  
DESIGN.*

# TECHNICAL DATA:

VARIES WITH COLOR / DATA SHOWN IS FOR WHITE

SOLIDS/VOLUME	27 % DEPENDING ON COLOR
SOLIDS/WEIGHT	44 % DEPENDING 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 G/L - 5.0 LB./GL.
ODOR	SOLVENT ODOR
APPEARANCE	FLAT FINISH. OTHER SHEENS AVAILABLE UPON REQUEST
LIGHT STABILITY	EXCELLENT
DURABILITY	EXCELLENT
ABRASION RESISTANCE	EXCELLENT
CHEMICAL RESISTANCE	GOOD
WATER RESISTANCE	EXCELLENT
BONDING	VERY GOOD
EPA AIM CATEGORY	WATER REPELLENT SEALER

**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.