

# TK-BRIGHT SEAL VOC VOC Compliant Decorative Concrete Sealer

Item No. TK-BR.SEAL OTC

## PRODUCT DESCRIPTION

TK-BRIGHT SEAL VOC is a blend of 100% methyl methacrylate polymers used as a superior curing, sealing and protective compound for exposed aggregate, colored concrete and other decorative concrete and masonry surfaces. TK-BRIGHT SEAL VOC brings out the “wet look” and highlights the natural pigments in the surface, all while protecting it against abrasion and damage.

### Features:

- Dries clear and does not yellow with age or with exposure to ultra violet rays.
- Produces the glossy “wet look” finish sought after for decorative concrete surfaces.
- Intensifies the color, highlights the natural pigments and adds sparkle to exposed aggregate and colored concrete surfaces.
- Reduces aggregate popouts by percolating in and around the stone to fill gaps and voids.
- Forms a durable and long-lasting film to reduce exposure to water, chemicals, most acids, alkali, oil, grease, fat, food and beverages.
- Facilitates removal of grease, oil and rust stains on driveway and garage floors.
- Provides protection against freeze/thaw cycles, deicing salts, chemical erosion and efflorescence.
- Compatible with most tile and carpet adhesives and can be used to seal many types of porous tile and resilient floors.

## USES:

Suitable for interior or exterior use on new or existing architectural concrete, burnish block, terrazzo, brick, stone, slate, quarry tile or other cementitious materials. Ideal for exposed aggregate and colored concrete surfaces, paving block, patio stone, driveways and garage floors.

## APPLICATION PROCEDURES

### PREPARATION:

Surfaces must be clean, dry and free of form oils, grease, dust, frost and curing compounds (particularly wax based). Large areas may be blown dust free by compressed air, washed and let dry. Surface water must be allowed to completely dissipate before applying. TK-BRIGHT SEAL VOC is ready for use and requires no mixing or dilution. It is unlawful to further dilute with non-exempt solvents.

Acid Stained and Acid Etched Floor Preparation - Special care must be taken to ensure that the substrate has been sufficiently neutralized, rinsed and dried. Neutralize by scrubbing in a solution of baking soda, sodium carbonate, trisodium phosphate (TSP), or sodium metasilicate, followed by multiple thorough rinse cycles using clean water. Rinse water must be removed by flushing down a drain (if permitted) or by vacuum. The substrate should have a pH level between 7-9 at this time and should be tested with litmus paper to ensure proper levels.

## TECHNICAL DATA

Composition and Materials:	A blend of 100% methacrylate polymers in a fast drying aromatic solvent.
Color:	Clear
Flash Point:	40°F
Solids Content:	26%
Drying Time* (70°F & 50% RH):	Tack Free: 1 hour Open to Traffic: 2 hours
V.O.C. Content:	< 600 g/L
A.I.M. Category:	Waterproofing Concrete/Masonry Sealers Maximum VOC 600 g/l
Applicable Standards:	- ASTM C -1315, Type 1, Class A, B & C - ASTM C-309, Type 1, Class A & B and Type 1D with a red dye added - Fed. TTC-C-800A Type 1, Class 1 - AASHTO Des. M-148 Type 1, Clear - DE CRD-C-300 - USDA Authorization for use in meat, poultry and food processing plants. - Resilient Tile Institute approval for compatibility with most resilient tile, carpet adhesives and paints.

\*Cooler temperatures and high humidity rates will extend drying time

Once the surface has been sufficiently prepared, a small mock-up area should be performed in an inconspicuous location and at the proper application rate to test the compatibility of the coating with the substrate. Allow the coating to dry and cure, then inspect for proper film formation, gloss, adhesion and to confirm that the film is free from whitening or other defects.

## APPLICATION:

Apply using a low pressure (30-40 lbs.) sprayer, roller or long nap applicator. Work the compound into the concrete avoiding accumulations, puddling, runs or sags. Because the material is fast drying, it should be applied in small sections while avoiding back rolling into drying areas.

Note that concrete must be fully cured (looks uniform in color) and dry at the time of application. This eliminates the possibility of moisture becoming trapped between the film and the concrete slab, resulting in a white haze on the surface. If a white haze does develop, another application of TK-BRIGHT SEAL VOC will emulsify the film, allow trapped moisture to escape, and will reharder clear.

**CLEAN UP:**

Use TK-00 XYLENE\* and pump through spray equipment to remove residue of materials which can clog the hose and wand assembly.

**COVERAGE:**

Surface	Coverage
Exposed aggregate:	300 - 500 sq.ft./gal
Second coat, cured concrete, burnished block:	300 - 500 sq.ft./gal

Coverage rates are provided as a guideline only. Many factors including surface texture, porosity and weather conditions will determine actual coverage rates.

**MAINTENANCE:**

Minimal maintenance is required other than occasional sweeping, dusting or mopping. If wear patterns do occur or if spillage removes the coating, TK-BRIGHT SEAL VOC may be reapplied to the affected area(s).

**LIMITATIONS:**

- Apply in temperatures above 40°F. Colder weather applications may be made under prescribed conditions and procedures specified by TK Products.
- Not for use on asphalt, surfaces subject to hydrostatic water pressure, or as a waterproofer on below grade surfaces.
- Sprayers must be equipped with neoprene hose, washers and gaskets as rubber or other materials will disintegrate from the solvent.
- The material will not freeze and may be stored outside in cold weather; however it must be allowed to warm to approximately 50°F before using.

Note 1. Concrete containing calcium chloride will remain dark longer when sealed. Extenders and additives (concrete admixes, fly ash) are now being added to some ready mixed concrete which can cause inconsistency in the porosity of the concrete. Some areas of the finished concrete may then appear darker than others. To compensate for these variations, coverage ratios should be adjusted.

**FIRST AID:**

- Consult this product's safety data sheet for additional health and safety information. Safety Data Sheets are available through TK distributors, the TK office and the TK website.

**AVAILABILITY:**

TK-BRIGHT SEAL VOC is available through TK Distributors. Contact TK Products for the nearest distributor.

Packaged in 55-gallon drums, 5-gallon pails and 1-gallon cans.

FOR PROFESSIONAL USE ONLY

**NOTES:**

\*TK-00 XYLENE must be purchased separately

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**TK Products Construction Coatings**

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