

# TK-BRIGHT KURE & SEAL VOC MATTE

## Matte Finish Curing and Sealing Compound

Item No. TK-BR.K&S VOC-01

### PRODUCT DESCRIPTION

TK-BRIGHT KURE & SEAL VOC MATTE is a blend of 100% methyl/methacrylate acrylic polymers used as a superior curing, sealing and protective compound for exposed aggregate, colored concrete and other decorative concrete as well burnished block and other masonry surfaces.

#### Features:

- Coating dries translucent matte and does not yellow with age or exposure to ultraviolet rays.
- Provides superior protection against freeze/thaw cycles, deicing salts, and chemical erosion and efflorescence.
- Reduces the possibility of aggregate popouts on exposed aggregate by percolating down and around the stones to fill gaps and voids.
- Forms a durable long-lasting film with resistance to water, chemicals, abrasion and stains.
- Highlights and preserves the natural pigments in the surface, adding longevity and sparkle to the finished product.
- Does not discolor with over-use.

#### 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.

#### 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. **Substrate moisture content must be less than 14% as measured by a conductive moisture tester when used as a sealer. This requirement does not apply when used as a curing compound on freshly poured concrete.**

#### Exposed Aggregate Application Preparation

- When applying to exposed aggregate as a curing compound, the surface should be washed with a mild acid solution to remove the thin film of cement dust, then flushed with water and allowed to dry before applying TK-BRIGHT KURE & SEAL VOC or TK-BRIGHT KURE & SEAL VOC MATTE.

At this point a small mock-up area should be applied in an inconspicuous location to test the compatibility of the coating with the prepared substrate. Allow the coating to dry and cure fully, then inspect for proper film formation, gloss, adhesion and confirm that the film is free from whitening or any other defects.

#### MIXING:

Mix well before use. It is unlawful to further dilute with non-exempt solvents.

### TECHNICAL DATA

Composition and Materials:	A blend of 100% methyl/methacrylate acrylic polymers in a fast drying aromatic solvent. No fillers are used and there are no oils, waxes or saponifiable resins. TK Products are manufactured with only the finest quality raw materials available and close quality-control is practiced.
Percent Solids:	18%
Gloss @ 60° Angle:	30
Flash Point:	58°F
Drying Time Tack Free: Open to Traffic:	1 hour 2 hours
VOC Content:	< 350 g/l
A.I.M. Category:	Waterproofing Sealers, Concrete/Masonry Maximum VOC 350 g/l
Applicable Standards:	- 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.

### APPLICATION PROCEDURES:

TK-BRIGHT KURE & SEAL VOC WILL DARKEN CONCRETE.

**CRITICAL: Must be used with a primer coat of TK-BR.K&S VOC (Not Matte). Then topcoat with the Matte coating. This ensures a uniform matte appearance. Wait until primer coat is tack free (approximately 1 hour) before applying additional layers.**

**For Horizontal Surfaces:** May be applied by low pressure sprayer and back rolled. It may also be applied with a roller or brush in small areas. Apply in a uniform manner and at the specified application rate, taking care to avoid lap marks. Use natural break points, such as cuts and joints as stopping points whenever possible. DO NOT OVER APPLY.

**For Vertical Surfaces/Burnished Block:** For best results, apply with an airless sprayer and back roll. Apply in a uniform manner at the specified application rate, taking care to avoid lap marks. Use natural break points, such as cuts and joints as stopping points whenever possible. DO NOT OVER APPLY.

When used as a sealer (both horizontal and vertical applications), concrete and masonry 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 substrate, resulting in a white haze on the surface. If a white haze does develop, a second application of TK-BRIGHT KURE & SEAL VOC MATTE will soften the film and allow trapped moisture to escape. The coating will then be able to reharder clearly. In severe situations, straight TK-00 XYLENE\* may be used

**CLEAN UP:**

Use TK-00 XYLENE\* to clean tools and equipment. Pump solvent through the sprayer to remove residue of materials which can clog the hose and wand assembly.

**COVERAGE:**

Surface Coverage	
Curing Exposed Aggregate	300-500 sq.ft./gal
Second coat, cured concrete	300-500 sq.ft./gal
Flat Concrete	800-900 sq.ft./gal
Burnished Block	300 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 KURE & 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 or surfaces subjected 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.
- Product will not freeze and may be stored in cold weather, however it must be allowed to warm to approximately 50°F before use.

**CONDITIONS OF SALE/ LIMITED WARRANT**

TK Products, division of the Sierra Corporation, warrants that its products conform to the label descriptions, are free from manufacturing defects, and are fit for the ordinary purposes for which such goods are used. Inasmuch as the use of TK Products' product by others and other factors affecting product performance are beyond TK Products' control, TK Products does not guarantee the results to be obtained. There are no warranties except as stated herein, either express or implied, including implied warranties of merchantability or fitness for a particular purpose. SHOULD ANY TK PRODUCTS' PRODUCT FAIL TO GIVE SATISFACTORY RESULTS, TK PRODUCTS WILL REPLACE THE PRODUCT, OR AT ITS OPTION, REFUND THE PURCHASE PRICE. THIS IS THE SOLE AND EXCLUSIVE REMEDY FOR ANY FAILURE OF TK PRODUCTS' PRODUCTS TO PERFORM AS WARRANTED AND SHALL ALSO CONSTITUTE LIQUIDATED DAMAGES IN CASE OF LOSS. UNDER NO CIRCUMSTANCES SHALL THE BUYER BE ENTITLED TO ANY OTHER REMEDY OR DAMAGES. REMEDIES FOR INCIDENTAL AND CONSEQUENTIAL DAMAGES ARE SPECIFICALLY EXCLUDED. TK Products does not authorize any person to assume for it any other liability in connection with the sale or use of its products unless specifically authorized by TK Products in writing.

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**NOTES:**

**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.

**Note 2.** Popout problems can occur anytime, however, concrete in certain regional areas, concrete applied in extremely hot conditions (90°F+), and heavily steel troweled concrete can aggravate popout problems. These deficiencies are the result of a heat caused reaction, called alkaline silica reactivity (ASR), between the silica in the shale particles of the fine aggregate with the sodium and potassium alkali in the portland cement. For more information on this problem, refer to "POPOUTS" by Norman E. Henning, P.E. and Kenneth L. Johnson, P.E. of Twin City Testing and Engineering Laboratory and Lowery J. Smith of the J.L. Shiely Company. Where this type of shale is present, and extremely hot weather conditions prevail, it is recommended that liquid membrane curing compounds should not be used until the concrete has been completely cured by water ponding, continuous water spray mist, or wet burlap covering for a period of three days. A seal coat can then be applied for dustproofing and protection (when concrete is completely dry).

**Note 3.** When using a liquid or powder release (other than TK-LIQUID STAMP RELEASE 2090) care must be taken to ensure proper washing has taken place prior to applying TK-BRIGHT KURE & SEAL VOC as these substances may affect product adhesion and formation.

**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 KURE & SEAL VOC is available through TK Distributors. Contact TK Products for the nearest distributor.

Available in gloss or matte formulations.

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

FOR PROFESSIONAL USE ONLY

**NOTES:**

\*TK-00 XYLENE must be purchased separately

