



Division of Sierra Corporation
ISO 9001:2008 Certified

BRIGHT KURE & SEAL

Meets Federal EPA's VOC Requirements

Technical Data

BRIGHT KURE & SEAL
Curing and Sealing Compound

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PRODUCTS

1. PRODUCT NAME

BRIGHT KURE & SEAL

2. MANUFACTURER
TK PRODUCTS
DIVISION OF SIERRA CORPORATION
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3. PRODUCT DESCRIPTION
BRIGHT KURE & SEAL is a blend of 100% methyl methacrylate polymers that acts as a specialized superior curing and sealing compound for exposed aggregate and colored concrete. It consists of a thin film for curing the exposed aggregate, and a second heavier coat for sealing and highlighting the surface. BRIGHT KURE & SEAL can be used as a final sealer on architectural concrete, burnish block, terrazzo, brick, paving brick, stone, slate, quarry tile, or any cementitious materials where yellowing or discoloration cannot be allowed. The coating is clear and does not yellow with age or exposure to ultraviolet rays.

Compared to other curing and sealing compounds, BRIGHT KURE & SEAL, provides increased protection from freeze-thaw cycles, deicing salts and chemical erosion and efflorescence; on exposed aggregate it reduces the possibility of aggregate popouts by percolating down in and around the stone to fill gaps and voids; forms a durable, long lasting film to reduce exposure to water and most chemicals, acids, alkali, oil, grease, fat, food and beverages.

Higher solids content increases the integral strength of the film; spalling is minimized and abrasion resistance to traffic is increased.

Discoloration from over-use is eliminated. On building walls, stains from airborne pollutants such as soot, dirt and bird droppings, wash away with a water. BRIGHT KURE & SEAL is compatible with most paints and carpet and tile adhesives.

On Exposed Aggregate:

BRIGHT KURE & SEAL intensifies the color, and highlights the exposed aggregate and terrazzo and adds sparkle to the finished project. In addition, on burnish block, architectural concrete, brick, stone, slate and quarry tile, the natural colors of the materials are preserved and

protected, increasing the aesthetic value and longevity.

On Existing Concrete:

BRIGHT KURE & SEAL penetrates into the slab, binding together the small dusting particles, filling the voids to produce a hard, dust-free, brighter surface, with protection from the elements as well as from exposure to commonplace contaminants. Wear patterns in heavy traffic areas are easily recoated. BRIGHT KURE & SEAL facilitates removal of grease, oil and rust stains on driveway and garage floors.

Colored Concrete:

BRIGHT KURE & SEAL intensifies the color. The final coat needs to be applied when the colored concrete has cured fully (the concrete should look 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 causing a white haze to develop.

On Paving Block, Patio Stone and Exposed Aggregate:

Care should be taken to avoid this entrapment of moisture, because in trying to escape, the moisture under the sealer can cause the same white haze to develop. If this happens, another application of BRIGHT KURE & SEAL will emulsify the film, let the moisture escape and reharden clear.

4. TECHNICAL DATA

Composition and Materials:

BRIGHT KURE & SEAL is a blend of 100% methyl methacrylate polymers in a fast drying aromatic solvent. No fillers are used and no oils, waxes or saponifiable resins are contained in the mixture. This product is manufactured with the finest quality raw materials available and close quality control is practiced.

Solids Content:	26%
Flash Point:	105°F
Drying Time*:	1 hour tack free 2 hours open to traffic

*Cooler temperatures will require more time.

Applicable standards:

- ASTM C-1315-95, Type 1, Class A, B, and C.
- AASHTO Des. M-148-82
- Fed. Spec. TT-C-0800
- ASTM C-309
- DE CRD - C-300

- A.I.M. Category: Curing and Sealing Compound, maximum VOC 700 g/l.

A.I.M. Definition - A liquid membrane-forming compound marketed and sold solely for application to concrete surfaces to reduce the loss of water during the hardening process and to seal old and new concrete providing resistance against alkalis, acids, and ultra violet light, and provide adhesion promotion qualities. The coating meets the requirements of American Society for Testing and Materials (ASTM) C-1315-95, Standard Specification for Liquid Membrane Forming Compounds Having Special Properties for Curing and Sealing Concrete.

- Resilient Tile Institute Specification
- To be compatible with most resilient tile and carpet adhesives, and most paints.
- Authorized for use by USDA.

5. APPLICATION PROCEDURES AND INSTRUCTIONS

Before buying and using this product, read completely this product's label, technical data sheet and Material Safety Data Sheet (MSDS), available where product is purchased.

Application:

BRIGHT KURE & SEAL is ready for use and requires no mixing or dilution. It is unlawful to further reduce with non-exempt solvents.

New Concrete:

Allow surface water to completely dissipate. Bright Kure & Seal will darken the appearance of concrete, especially if applied too heavily.

Existing Concrete:

Surface must be clean, dry, free from oil, grease, dust, frost and curing compounds (particularly wax base). Large areas can be blown dust free by compressed air, or washed and let dry. 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, flushed with clean water, and allowed to dry before applying BRIGHT KURE & SEAL. A thin film or 300-500 sq. ft./gal. will do.

The compound is sprayable with a low pressure (30-40 lbs.) sprayer, or can be applied with a roller or long nap applicator. Work the compound into the concrete avoiding accumulations, runs or sags. On

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large areas airless sprayer can be used; avoid puddling.

Coverage:

Curing exposed aggregate 300-500 sq./ft per gallon.

Second coat, cured concrete, burnished block 300 to 500 sfpg dependent upon the finish and porosity of the substrate. Bright Kure & Seal will darken concrete.

Limitations:

Apply in temperatures above 40°F. Not for use on asphalt, or surfaces subject to hydrostatic water pressure or as a waterproofing on below grade surfaces. Sprayers must be equipped with neoprene or other compatible fittings; the solvent can disintegrate rubber fittings. Material will not freeze, can be stored outside in cold weather; however, it must be allowed to warm to approximately 50°F before using.

Note 1: Care should be taken to protect the concrete from snowplows, metal scrapers or other equipment and tools that can damage this product and the concrete it is applied to. If this product is not maintained properly, damage will occur to the colored concrete. Beyond the above stated uses, this product is not intended to be the only factor to keep any and all other color elements intact.

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 release other than TK-2090, you must check with the manufacturer to insure proper washing has taken place before using BRIGHT KURE & SEAL. If the liquid release has an abundance of oil, it will deter adhesion of the sealer.

When using a powder release, care needs to be taken to insure that the proper amount of release is washed off the surface,

or delaminating of the sealer may occur. This happens more often with lighter colors.

Equipment Care:

Use TK-00 Solvent. For sprayers, pump the solvent through the spray equipment to remove residue of materials which can clog the hose and wand assembly.

Precautions:

BRIGHT KURE & SEAL contains aromatic hydrocarbon. Keep away from heat and flame. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. Use only with adequate ventilation. Do not breath vapor or spray mist. Ensure fresh air entry during application and drying. If you experience eye watering, headaches or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during and after application. Follow respirator manufacturer's direction for respirator use. Close container after each use. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. KEEP OUT OF REACH OF CHILDREN.

Interior Use:

Do not allow fumes from this product to penetrate into foodstuffs. Remove animals from quarters until all fumes have dissipated. Turn off all pilot lights. In its cured state, BRIGHT KURE & SEAL. BRIGHT SEAL WB is suggested for interior use.

First Aid:

If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately. In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention immediately; for skin, wash thoroughly with soap and water. If swallowed, do not induce vomiting. Call physician immediately.

In Case of Fire:

Use foam, CO2, dry chemical. Do not use water spray.

Spills or Leaks:

Eliminate all sources of ignition. If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations.

For safety control, Material Safety Data Sheets are available through TK Distributors, the TK Office or the TK Website. This information should be read before using the product.

6. AVAILABILITY

BRIGHT KURE & SEAL is available through TK Distributors. Contact TK PRODUCTS for the nearest distributor.

Packaged in: 55 gal. drums, 5 gal. pails, and one gallon cans.

Maintenance:

Minimal maintenance is required other than normal sweeping, dusting or mopping. If wear patterns do occur, or spillage removes the coating BRIGHT KURE & SEAL can be reapplied to the affected area.

7. CONDITIONS OF SALE/ LIMITED WARRANTY

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.

8. TECHNICAL SERVICES

The TK office offers assistance with specifications, performance test data and field services.

9. FILING SYSTEMS

Information Handling Services
PO Box 1213
Englewood, CO 80150
Information Marketing Services
13271 Northend
Oak Park, MI 48237

TK DISCLAIMER:

Every effort has been made to ensure the accuracy of the above information and to avoid infringement of any patent or copyright. The information is based on field tests by government and private agencies, as well as lab tests, and on technical data from raw material manufacturers. The person(s) specifying or requesting the use of these products is responsible for assuring their suitability for a specific use, as well as the proper application of the products. Where there is any question as to the suitability of a particular product, a small test patch is recommended. See also CONDITIONS OF SALE/ LIMITED WARRANTY (Section 7) above.

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