



PRODUCTS

Division of Sierra Corporation

BRIGHT SEAL OTC FD & SD

Meets Federal EPA, OTC, LADCO VOC Requirements

Technical Data

1. PRODUCT NAME

BRIGHT SEAL OTC FD (Fast Dry)
BRIGHT SEAL OTC SD (Slow Dry)

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

TK's BRIGHT SEAL OTC FD is a fast drying formula that is for spray application only, and BRIGHT SEAL OTC SD can be sprayed or rolled. Bright Seal SD is faster drying than our standard formulation, BRIGHT KURE & SEAL, but is slow enough for roller application.

BRIGHT SEAL OTC is a blend of 100% methyl methacrylate polymers used as a specialized superior curing and sealing compound for Decorative Concrete. A thin film for curing the decorative concrete, and a second heavier coat for sealing and highlighting the decorative concrete. BRIGHT SEAL OTC can be used as a final sealer on architectural concrete, burnish block, exposed aggregate, 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.

BRIGHT SEAL OTC is designed to be a sealer, rather than risk the wrong product being applied to fresh concrete as a cure, we prefer a coat of Bright Seal OTC be applied and again applied latter as a final coat.

BRIGHT SEAL OTC compared to other curing and sealing compounds 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, chemicals, most acids, alkali, oil, grease, fat, food and beverages.

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

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. Compatible with most paints and carpet and tile adhesives.

On Exposed Aggregate :

BRIGHT SEAL OTC intensifies the color, and highlights the exposed aggregate and terrazzo, 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 Colored Concrete:

BRIGHT SEAL OTC 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 Existing Concrete:

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; facilitates removal of grease, oil and rust stains on driveway and garage floors.

On Paving Block, Patio Stone and Exposed Aggregate:

Care should also 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 SEAL OTC SD will emulsify the film let the moisture escape and re-harden clear.

4. TECHNICAL DATA

Composition and Materials:

BRIGHT SEAL OTC 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: -4°F for FD & 40°F SD

Drying Time: <one hour tack free, two hours open to light traffic. 24 hours for full cure. 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: Sealing Compound, maximum VOC 400g/l.

A.I.M. Definition - BRIGHT SEAL OTC is 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. A sample area to be assured of compatibility. Authorized for use by USDA.



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5. APPLICATION PROCEDURES AND INSTRUCTIONS

Application:

BRIGHT SEAL OTC is ready for use, requires no mixing or dilution. It is unlawful to further reduce with non-exempt solvents. **New Concrete** allow surface water to completely dissipate. **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 SEAL OTC. 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. BRIGHT SEAL OTC is fast drying work small areas and do not backroll into areas that are drying. Work the compound into the concrete avoiding accumulations, runs or sags. On large areas airless sprayer can be used; avoid puddling. Two thin coats are better than one heavy coat.

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.

Limitations:

Apply in temperatures above 40°F. Not for use on asphalt, or surfaces subject to hydrostatic water pressure or as a waterproofer 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.

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.

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 SEAL OTC contains aromatic hydrocarbon, and is **Flammable**. Keep away from heat and flame, turn off all pilot lights. BRIGHT SEAL OTC FD is for exterior use only. 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. Bright Kure & Seal in its cured state in non-toxic.

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 from TK Distributors and the TK Office. This

information should be read before using the product.

6. AVAILABILITY

BRIGHT SEAL OTC 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. TK BRIGHT SEAL can be reapplied to the affected area.

7. LIMITED WARRANTY

TK Products, warrants that its products conform to their 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 its products by others and other factors affecting product performance are beyond TK Products' control, TK Products does not guarantee the results to be obtained. **SHOULD ANY OF ITS PRODUCTS FAIL TO GIVE SATISFACTORY RESULTS, TK PRODUCTS WILL REPLACE THE PRODUCTS OR, AT ITS OPTION, REFUND THE PURCHASE PRICE. THIS IS THE SOLE AND EXCLUSIVE REMEDY FOR ANY FAILURE OF THE PRODUCTS OF TK 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. See TK PRODUCTS DISCLAIMER section below.

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

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