



PRODUCTS

Division of Sierra Corporation

BRIGHT SEAL

Technical Data

1. PRODUCT NAME

BRIGHT SEAL

2. MANUFACTURER

TK PRODUCTS, DIVISION
OF SIERRA CORPORATION

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3. PRODUCT DESCRIPTION

BRIGHT SEAL is a blend of 100% methyl methacrylate polymers used as a superior final sealer and protective coating on exposed aggregate, architectural concrete, terrazzo, 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.

Provides increased protection from freeze-thaw cycles, deicing salts and chemical erosion and efflorescence; 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 abrasion resistance to traffic, or windblown sand, is strengthened.

On building walls, stains from airborne pollutants such as soot, dirt and bird droppings, wash away with clean water. Compatible with most carpet and tile adhesives.

On Exposed Aggregate:

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

materials are preserved and protected. Increasing the aesthetic value and longevity of the property.

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.

New Concrete:

Cure only with an acrylic base curing compound such as AS-1 ACHRO SEAL 1315 and allow to cure for at least 28 days. 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 also be taken to avoid this entrapment of moisture, because in trying to escape, the moisture under the sealer can cause white haze to develop. This applies to any areas where BRIGHT SEAL is being used.

4. TECHNICAL DATA

Composition and Materials:

BRIGHT 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: Above 100°F.
- Drying Time: One hour tack free, two hours open to traffic.
- A.I.M. Category: Concrete Protective Coating, maximum VOC 400 g/l.

Exceedance fee has been paid.

- Actual VOC Content: 695 g/l
- A.I.M. Definition: A high-build coating, formulated and recommended for application in a single coat over concrete, plaster, or other cementitious surfaces. These coatings are formulated to be primerless, one-coat systems that can be applied over form oils and/or uncured concrete. These coatings prevent spilling of concrete in freezing temperatures by providing long-term protection from water and chloride ion intrusion.

Applicable Standards:

- 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

Application:

BRIGHT SEAL is ready for use, and requires no mixing or dilution. 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 compression or broom cleaned.

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 large areas an airless sprayer can be used.

Coverage:

100 to 400 SFPG dependent upon the finish and porosity of the substrate.

Limitations:

Over application can produce undesirable results of finish appearance.

Apply in temperatures above 40° F. Not for use on colored concrete,

BRIGHT SEAL
Sealing Compound

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asphalt, or surfaces subject to hydrostatic pressure or as a water-proofer on below grade surfaces. Sprayers must be equipped with neoprene or other compatible fittings; the solvent can disintegrate rubber fittings. Not for use where spillage of solvents, fuels, brake, transmission, etc. are to be expected. Material will not freeze, and 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 contains petroleum distillates. Keep away from heat, flame and any source of ignition. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. Use only with adequate ventilation. Do not breathe 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. Do not allow fumes from this product to penetrate into food-

stuffs. Remove animals from quarters until all fumes have dissipated. Turn off all pilot lights. BRIGHT 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, the TK Office or the TK website. This information should be read before using this product.

6. AVAILABILITY

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

Packaged in: 55 gal. drum, 5 gal. pails, 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 SEAL can be reapplied to the affected area.

7. LIMITED WARRANTY

TK Products warrants that this product conforms to the label descriptions, is free from manufacturing defects, and is fit for the ordinary purposes for which such goods are used. Inasmuch as the use of this product by others and other factors affecting product performance are beyond

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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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