

KURE & SEAL 1315™

PRODUCT DATA SHEET



PRODUCT DESCRIPTION

Kure and Seal 1315 is a solvent-based, clear, acrylic resin compound for curing, sealing, and hardening new or existing concrete and masonry surfaces. The 25% solids content provides an excellent high gloss, UV stable finish. Kure & Seal 1315 is an ideal cure for freshly placed concrete, or when used as a sealer and dustproofer for existing concrete.

USES:

- Fresh Concrete
- Rough or Smooth Finish Concrete
- Concrete Flatwork
- Light Commercial
- Precast Concrete
- Poured Concrete Walls
- Residential Driveways and Walkways
- Concrete Curbing and Borders

Benefits:

- Meets the VOC Regulatory Compliance for AIM
- Complies with ASTM C-1315, Type 1, Class A
- Good moisture retention for optimal curing and full concrete strength
- Effective protection against abrasion and resistance to stains, chemicals, dirt, fumes, and gases
- Dustproofs surfaces for easier and less costly cleaning and maintenance.
- Dries clear with UV stabilizers to resist yellowing
- High gloss finish

APPLICATION PROCEDURES

Preparation:

Surfaces must be clean, dry, and free of oil, grease, soil, efflorescence, dust, or laitance. Power washing of the surface is advised, and any repairs must be made prior to application. Once the surface has been cleaned, it must be dried and any rinse water should be removed by flushing down a drain (if permitted) or with a vacuum. A simple test to ensure proper dryness is to place a rubber mat on the floor overnight. If no visible moisture or darkening of the mat is observed, then the surface is dry enough to coat. 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, and adhesion. Confirm that the film is free from whitening or any other defects.

Mixing:

The material is ready for use and requires no mixing or dilution. It is unlawful to further dilute with non-exempt solvents.

Application:

KURE & SEAL 1315 WILL DARKEN CONCRETE.

New Concrete Application - Finish trowel and allow surface water to completely dissipate. Use a low pressure (20 to 30 lbs.) sprayer or power sprayer and apply uniformly at the specified rate of coverage. Avoid heavy accumulations.



Existing Concrete Application - Use a long nap applicator or a paint roller to distribute the compound more evenly. Back rolling is highly recommended. Avoid heavy accumulations. An airless sprayer or low pressure spray equipment may be used on larger application areas. Apply a second coat to surfaces that are very porous and where absorption is rapid. Allow the coating to become tack-free between coats.

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:	300-550 square feet per gallon
Dustproof/Seal:	300-500 square feet per gallon
Second Coat:	400-800 square feet per gallon
Renovation:	300-400 square feet per gallon

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-KURE & SEAL 1315 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 liquid immersion or constant liquid contact.
- Sprayers must be equipped with neoprene hose, washers, and gaskets. Rubber or other materials will disintegrate from the solvent.
- Material will not freeze and may be stored outdoors in cold weather, however it must be allowed to warm to approximately 50°F before use.
- This product is to be applied according to recommended coverage rates as over-application may cause discoloration.

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. After this period, when concrete is completely dry, a seal coat can be applied for dustproofing and protection.

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.

NOTES

*TK-00 XYLENE must be purchased separately

REVISIONS

LAST: 03/15

PREVIOUS: 09/14

TECHNICAL DATA

Composition and Materials:	An acrylic copolymer resin blended with fast drying aromatic hydrocarbon.
Flash Point:	100°F
Drying Time:	Tack free: 1 hour Recoat: 2 to 4 hours Open to Traffic: 2 hours
VOC Content:	< 700 g/l
A.I.M. Category:	Curing and Sealing Compound
Maximum VOC:	700 g/l
Applicable Standards:	- ASTM C-1315, Type 1, Class A - 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 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.

MANUFACTURER'S PART #'S

Size	Item Code
55-GALLON	TK-K&S 1315 55 CL.
5-GALLON	TK-K&S 1315 5L PHEN PS

VOC REGULATORY COMPLIANCE

AIM	OTC	LADCO	CARB	SCAQMD	CANADA
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>