TK PRODUCTS CONSTRUCTION COATINGS
An Operating Unit of Sierra LLC, Minnetonka, MN

ISO 9001 CERTIFIED

VOC Regulatory Compliance: ☑ AIM ☑ OTC ☑ LADCO ☑ CARB ☐ SCAQMD ☑ CANADA

TK-TRI-SEAL 1315

Curing and Sealing Compound

Item No. TK-TRI-SEAL 1315

PRODUCT DESCRIPTION

TK-TRI-SEAL 1315 is a 100% water-based, high solids, acrylic resin compound for curing, sealing, protecting and dustproofing new or existing concrete and masonry surfaces. TK-TRI-SEAL 1315 is also formulated to seal many types of porous tile and resilient floors.

Features:

- Ideal for interior applications where solvent-based systems are difficult to use.
- Provides maximum hardness and traffic abrasion resistance to the surface.
- Construction debris will not adhere to the surface, making cleanup easier and less expensive.
- Compatible with most carpet and tile adhesives.
- Dries clear and provides a dust-free surface.

USES:

Suitable for interior or exterior use on new and existing concrete, terrazzo, brick, stone, architectural concrete and other cementitious materials. Ideal for commercial, industrial and residential work in public buildings, showrooms, shopping centers, schools, hospitals, manufacturing plants, warehousing, driveways, basement floors, sidewalks, patios and swimming pool areas.

APPLICATION PROCEDURES:

PREPARATION:

Surfaces must be clean, dry and free of oil, grease, wax or polish. Sweep or vacuum to remove all loose soil and dust. Use Trisodium Phosphate or TK-CHEMICAL CLEANER 101* (with very hot water) to wash the surface and allow to thoroughly dry. On steel troweled surfaces, a buffing machine equipped with Nylo-Grit brush(es) should be utilized to promote proper adhesion.

MIXING:

The material is ready for use and requires no mixing or dilution.

APPLICATION:

New Concrete Application - Apply immediately after surface water has dissipated and concrete can withstand weight. Spray application is best, however rolling with a lamb's wool applicator or medium nap roller is also acceptable.

Existing Concrete Application - Apply by lamb's wool applicator or medium nap roller. On larger areas, a sprayer may be used. Although not required, a second coat may be applied to provide greater protection and surface enhancement. Apply the second coat once the first coat is dry.

CLEAN UP:

Use soap and water before the material dries. Dried material may be cleaned using MEK (methyl ethyl ketone).

TECHNICAL DATA

Composition and Materials:	Formulated of fine quality, hard but pliable acrylic polymers in an aqueous system.
% Solids by Weight:	25-26%
Moisture Efficiency:	.36 kg/m^2 @ 300 ft^2/gallon
Drying Time* (70°F & 50% RH) Tack Free: Open to Traffic:	 1-2 hours 4-12 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 I, Class A, B & C - ASTM C-309, Type 1, Class A & B and Type 1D with a red dye added - TT-C-800A, Type I, Class I - AASHTO Des. M-148, Type 1, Clear - ACI Standard 302.77 for use on Class 1,2,3 and 4 concrete floors - 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.

**Cooler temperatures and higher humidity rates will extend dry times*

COVERAGE:

Surface		Coverage
Curing:	Broomed Troweled	250-350 sq.ft./gal 300-400 sq.ft./gal
Second Coat		300-500 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:

Spills and stains should be removed as soon as possible. TK-TRI-SEAL 1315 may be re-applied to areas that are worn or where spills have removed the sealer.

LIMITATIONS:

- Do not apply when surface and/or ambient temperatures are below 50°F.
- Avoid a build-up of product as this may cause slippery conditions or a lifting action between coats.
- Protect from freezing.

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).

FIRST AID:

- Consult this product's safety data sheet for additional health and safety information. Safety Data Sheets are available throughTK distributors, the TK office and the TK website.

AVAILABILITY:

TK-TRI-SEAL 1315 is available through TK Distributors. Contact TK Products for the nearest distributor.

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

FOR PROFESSIONAL USE ONLY

NOTES:

*TK-CHEMICAL CLEANER 101 must be purchased separately

03/18 Last Rev. 01/18

CONDITIONS OF SALE/ LIMITED WARRANTY

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