



PRODUCTS

Division of Sierra Corporation

TRI-SEAL 1315

Meets Federal EPA's VOC Requirements

Technical Data



PRODUCTS
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TRI-SEAL 1315
Curing & Sealing Compound

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1. PRODUCT NAME

TRI-SEAL 1315 CURING AND SEALING COMPOUND

2. MANUFACTURER

TK PRODUCTS, DIVISION OF SIERRA CORPORATION
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Minnetonka, MN 55343
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952-938-8084 (FAX)
e-mail: tkproduct@aol.com
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3. PRODUCT DESCRIPTION

TRI-SEAL 1315 is a 100% water based, high solids, premiere acrylic polymer membrane forming, curing, sealing and hardening compound for use on new or existing concrete. TRI-SEAL 1315 will pass all V.O.C. compliance laws.

TRI-SEAL 1315 is formulated to cure, seal, protect and dustproof concrete as well as to seal many types of porous tile and resilient floor.

TRI-SEAL 1315 is designed for both interior and exterior application; however, it is particularly recommended for indoor work in public buildings and housing (hospital, restaurants and private residences where solvent systems are difficult to use). The cloudy white solution dries clear and provides a dust free surface.

TRI-SEAL 1315 provides maximum hardness to the concrete and traffic abrasion resistance. Construction debris does not adhere to the surface, cleanup is easier, less expensive. These products are compatible with most tile and carpet adhesives.

Uses:

Institutional, industrial, commercial and residential construction of floors, walls, columns. i.e.: schools, apartment complexes, hospitals, office buildings.

TRI-SEAL CCS is TRI-SEAL formulated with concrete colored pigments. It is to be used where there are blemishes to be covered up, or want a uniform color on the substrate. It is recommended that the floor be shot blasted or acid etched to get penetration, and good adhesion.

4. TECHNICAL DATA

Composition and Material:

TRI-SEAL 1315 is formulated of fine quality, extremely hard but pliable, acrylic polymers in an aqueous system. It is carefully blended and quality controlled. It contains no oils saponifiable resins, or waxes.

Physical and Chemical Properties:

Non-flammable, non-toxic, no additional ventilation.

Dry Time: 1-2 hour (touch)
4-12 hours (traffic)

These dry times are dependent on normal drying conditions. Cool temperatures, high humidity will slow the drying time.

-Moisture Efficiency: .36 kg/m² at 300 sq. ft. per gallon. ASTM C-1315 - maximum allowed .40 kg/m².

-Resistance to moisture: Excellent
-A.I.M. Category: Concrete Curing and Sealing Compound, maximum VOC 700g/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 must meet 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.

Applicable Standards:

Recommended for use on Class 1,2,3 and 4 concrete floors as noted in ACI Standard 302-77.

TRI-SEAL 1315 is designed to meet or exceed the following requirements:

- ASTM C-1315-95, Type 1, Class A, B, and C.
- ASTM C-309, Type 1, Class A & B, and Type 1D when a red dye is added.
- Fed TT-C-800A, Type 1 Class 1
- AASHTO M-148 Type 1.
- Meets state and federal solvent emission standards (V.O.C.).
- USDA authorization for use.
- Compatible with most paints and carpet and resilient tile adhesives.

5. APPLICATION PROCEDURES AND INSTRUCTIONS

TRI-SEAL 1315 is ready to use, do not dilute. **New Concrete:** Apply immediately after surface water has dissipated, and concrete can withstand weight. Spray application is best, however, other application methods can be used, i.e. lamb's wool applicator, or medium nap roller also can be used.

Existing Concrete: Sweep or vacuum all loose soil and dust. Remove oil, grease stains and old wax or polish. Trisodium phosphate or TK-101 Chemical Cleaner (with very hot water) can be used; rinse thoroughly and allow to dry. TRI-SEAL 1315 can be applied by lamb's wool applicator, or medium nap roller. On large areas a sprayer can be used.

A second coat may be applied after the first coat is dry. Spray second coat with good pressure and a mist of a spray from the nozzle.

Coverage:	<u>sq. ft./ gallon</u>
Curing	
broomed	250-350
troweled	300-400
Second coat	300-500

Limitations:

Avoid a buildup which can cause slippery conditions or a lifting action between coats. Protect from freezing. Apply in temperatures above 50° F.

Cleanup of Tools and Equipment:

Use soap and water before material dries. If dried, use MEK (methyl ethyl ketone).

Precautions:

Contains minute amount of ammonia. Excessive and prolonged inhalation may result in headache, nausea, and eye and lung irritation.

First Aid:

Inhalation: Remove from exposure to fresh air, treat symptomatically, call a physician.
Eye Contact: Immediately irrigate with water for at least 15 minutes; get medical attention.
Skin Contact: Wipe off material and wash thoroughly with soap and water.
Ingestion: Drink 1 or 2 glasses or water to dilute. Do not induce vomiting. Get medical attention.

6. AVAILABILITY

TRI-SEAL 1315 is available through TK Distributors. Contact TK PRODUCTS for the nearest distributor. Packaged in: 55 gallon drums, 5 gallon pails, and one gallon cans.

Maintenance:

Stains should be removed as soon as possible. TRI-SEAL 1315 can be applied to wear areas and where spills have removed the sealer.

7. LIMITED WARRANTY

TK Products, a division of The Sierra Corporation, 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.

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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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