



PRODUCTS

Division of Sierra Corporation

TRI-SEAL CURING AND SEALING COMPOUND

Meets Federal EPA's VOC Requirements

Technical Data

TRI-SEAL
Curing and Sealing Compound

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TRI-SEAL
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1. PRODUCT NAME

TRI-SEAL CURING AND SEALING COMPOUND

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

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

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

TRI-SEAL is designed for both interior and exterior application; however, it is particularly recommended for indoor work in public buildings and housing (hospitals, 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 provides maximum hardness to the concrete and traffic abrasion resistance. Construction debris does not adhere to the surface, cleanup is easier, and less expensive. TRI-SEAL is 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 can be formulated with concrete colored pigments called TRI-SEAL CCS. It is to be used where there are blemishes to be covered up, or where a uniform color

on the substrate is desired. It is recommended that the floor be acid etched to promote penetration, and good adhesion.

4. TECHNICAL DATA

Composition and Materials:

TRI-SEAL 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 and non-toxic.
- Moisture Efficiency: .23 kg/m² at 200 sq. ft. per gallon.
- ASTM C-309—maximum allowed 0.55 kg/m².
- Resistance to Moisture: Excellent
- A.I.M. Category: Concrete Curing Compound, maximum VOC 350 g/l.
- A.I.M. Definition: A coating formulated and recommended for application to freshly placed concrete to retard the evaporation of water.

Applicable Standards:

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

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

- 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 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, how-

ever, 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 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:	Rate Sq. Ft/Gal
Curing broomed	250-350
troweled	300-400
Second coat	300-500
Dry Time:	1-2 hour (touch) 4-12 hours (traffic)

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

Recoat after 2 hours.

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).

Maintenance:

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

Precautions:

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

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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 of water to dilute. Do not induce vomiting. Get medical attention.

For safety controls, Material Safety Data Sheets are available from TK Distributors, the TK Office and the TK Website. This information should be read before using this product.

6. AVAILABILITY

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

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 TK Products' control, TK Products does not guarantee the results obtained. SHOULD THIS PRODUCT FAIL TO GIVE SATISFACTORY RESULTS, TK PRODUCTS WILL REPLACE THE PRODUCT OR, AT ITS OPTION, REFUND THE PURCHASE PRICE. THIS IS THE SOLE AND EXCLUSIVE REMEDY FOR ANY FAILURE OF THIS PRODUCT 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 uses of this product 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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