



TK-5329 FLOOR HARDENER AND DENSIFIER

Meets Federal EPA's VOC Requirements

PRODUCTS

Division of Sierra Corporation

Technical Data



PRODUCTS
3

TK-5329 FLOOR HARDENER & DENSIFIER
Concrete Chemical Floor Hardener

1. PRODUCT NAME:

TK-5329 FLOOR HARDENER AND DENSIFIER

2. MANUFACTURER

TK PRODUCTS, DIVISION
OF SIERRA CORPORATION
11400 West 47th Street
Minnetonka, MN 55343
952-938-7223
952-938-8084 (FAX)
E-mail: tkproduct@AOL.com
Website: http://www.tkproduct.com

3. PRODUCT DESCRIPTION:

TK-5329 is a colorless, odorless blend of 100% active sodium silicate and silicate chemicals which deeply penetrate the concrete and masonry substrate. It chemically reacts with the free lime or calcium carbonate in the concrete to strengthen, harden, densify, dustproof. TK-5329 penetrates deep into the concrete and seals the capillaries and pores, as well as the surface. It leaves a very hard mineral film on the surface.

TK-5329 HARDENER AND DENSIFIER:

- Allows the concrete to breathe.
- No solvent, or fumes.
- Does not leave film like coating.
- Can be used on new and old concrete.
- Waterproofs the concrete by densifying the concrete.
- Compatible with floor tile and carpeting adhesives.
- Does not make the floor slippery.
- Resists black tire marks.
- Compatible with most stripping paints.
- Floors can be put back into service immediately after treatment.

Uses:

- Warehouse floors.
- Factory floors.

- Distribution center floors.
- Animal and food processing plant floors.

4. TECHNICAL DATA:

Nontoxic, noncombustible. Complies with all VOC Regulations.

- ASTM C-42 – increases impact resistance.
- Taber abrasion test – increases abrasion resistance.
- ASTM G-23 – no effect by ultraviolet light and water spray exposure.

This product is currently not regulated by 1999 Federal EPA VOC Requirements.

5. APPLICATION PROCEDURES AND INSTRUCTIONS

Coverage:

200 SFPG. The surface must remain saturated with TK-5329 for a minimum of 30 minutes. A porous or open concrete surface may allow a rapid drying of the surfaces (faster than 30 minutes), you will need to apply additional TK-5329 in order for the proper reaction to occur.

Surface Preparation for Old or New Concrete:

The surface must be clean, free of dirt, oil, curing compound sealers, and foreign material. Fix or patch all cracks and remove laitance. Any cleaners used need to be thoroughly rinsed off. The surface can be damp, but no standing water which will dilute TK-5329.

Application:

Can be applied with sprayer, roller, or brushed.

For New Concrete:

Concrete must cure a minimum of 7 days before applying TK-5329. Water curing or covering the concrete with poly are recommended methods of curing the concrete. TK-2519 DC WB can be used as a curing compound but

all application instructions of TK-2519 DC WB must be followed to assure complete removal of the curing resin. Apply to a clean, dry surface. Work TK-5329 into the surface using a soft bristle or scrub pad. The use of a mechanical scrubber will increase the effectiveness of this product. Work in this manner until TK-5329 begins to gel or become slippery. Then re-wet with water and work for another 10-15 minutes. As surface becomes slippery again, flush with water and squeegee the surface dry to remove excess TK-5329. The use of water wash and mechanical scrubber will increase the effectiveness of this application, and rinsing.

For Old Concrete:

Apply to a clean, dry surface. Work TK-5329 into the surface using a soft bristle or scrub pad. The use of a mechanical scrubber will increase the effectiveness of this product. Work in this manner until TK-5329 begins to gel or become slippery. Then re-wet with water and work for another 10-15 minutes. As surface becomes slippery again, flush with water and squeegee the surface dry to remove excess TK-5329. The use of water wash and mechanical scrubber will increase the effectiveness of this application, and rinsing. If the area is to receive a subsequent coating or adhesives for tile or carpeting after 30 minutes flush with water and squeegee dry.

Maintenance:

Use normal dust mopping or sweeping between occasional detergent and water cleanup.

Precautions:

Protect metal, glass, wood, paint and brick surfaces. Wash with clear water if contact occurs or wipe with a damp cloth. Brush out all puddles to prevent the formation of white residue.

TK-5329 FLOOR HARDENER & DENSIFIER
Concrete Chemical Floor Hardener

PRODUCTS
3



First Aid:

Ingestion: DO NOT induce vomiting, drink 1 or 2 glasses of water, milk or fruit juice. CALL PHYSICIAN IMMEDIATELY. *Skin or Eye Contact:* Flush immediately with clear water for 15 minutes. CALL PHYSICIAN. Remove wet garments at once.

6. AVAILABILITY

TK-5329 is packaged in 5 and 55 gallon containers and is available through TK Distributors.

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. SHOULD ANY OF ITS PRODUCTS FAIL TO GIVE SATISFACTORY RESULTS, TK PRODUCTS WILL REPLACE THE PRODUCTS OR, AT ITS OPTION, REFUND THE PURCHASE PRICE. THIS IS THE SOLE AND EXCLUSIVE REMEDY FOR ANY FAILURE OF THE PRODUCTS OF TK PRODUCTS 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 use of its products unless specifically authorized by TK Products in writing. See also 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

TK DISCLAIMER:

Every effort has been made to ensure the accuracy of the above information and to avoid infringement of any patent or copyright. The information is based on field tests by government and private agencies, as well as lab tests, and on technical data from raw material manufacturers. The person(s) specifying or requesting the use of these products is responsible for assuring their suitability for a specific use, as well as the proper application of the products. Where there is any question as to the suitability of a particular product, a small test patch is recommended. See also LIMITED WARRANTY (Section 7) above.

FOR INDUSTRIAL USE ONLY

3/00