

TRI-SHEEN CONCRETE SURFACER

FINE / MEDIUM / COARSE

Meets Federal EPA's VOC Requirements

Technical Data



PRODUCTS

Division of Sierra Corporation



PRODUCTS

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TRI-SHEEN CONCRETE SURFACER

Fine / Medium / Coarse

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PRODUCTS

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1. PRODUCT NAME

TRI-SHEEN
CONCRETE SURFACER
TK-5319 FINE / TK-5301 MEDIUM
TK-5691 COARSE

2. MANUFACTURER

TK PRODUCTS, DIVISION OF
SIERRA CORPORATION
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Minnetonka, MN 55343
952-938-7223
952-938-8084 (FAX)
e-mail: tkproduct@aol.com
Website: <http://www.tkproduct.com>

3. PRODUCT DESCRIPTION

TRI-SHEEN CONCRETE SURFACER is a non-cementitious protective texture coating designed for all above grade vertical surfaces. TRI-SHEEN CONCRETE SURFACER can be used either for exterior or interior applications on the following substrates: poured or precast concrete, block, brick, stone or stucco. Any properly prepared above grade vertical cementitious type surface.

TRI-SHEEN CONCRETE SURFACER is an excellent alternative to multiple component dry plaster mixed products. Being a one-component ready mixed texture coating, eliminates the possibility of on site mixing and measuring errors, resulting in an uneven textured appearance and possible film failure.

TRI-SHEEN CONCRETE SURFACER is blended using high performance 100% acrylic copolymers and advanced adhesion monomers. The grade of texture is achieved using various sizes of siliceous volcanic rock, silicas, and siliceous powders. All of which are suspended in an aquas dispersion.

With the use of advanced technology, TRI-SHEEN CONCRETE SURFACER offers the following advantages:

- A one package ready to use product.
- Will not chip, crack, or peel.

- Long term color retention throughout the film.
- Helps control efflorescence or salt leaching.
- Will not support mildew growth.
- High resistance to road or deicing salts.
- A breathable film eliminating trapped moisture vapors.
- Ability to be applied over a variety of silanes or siloxanes such as TK-590 or TK-290.

TRI-SHEEN CONCRETE SURFACER'S pigmentation is carried throughout the film thickness resulting in uniform color should surface damage occur.

When enhanced protection or accent colors are desired, a topical coat of TRI-SHEEN ACRYLIC may be applied. While still maintaining a breathable film, this two coat system enhances not only the performance characteristics but also offers the architect an endless choice of colors.

4. TECHNICAL DATA

TRI-SHEEN CONCRETE SURFACER is a non-cementitious 100% acrylic coating. A one package ready to use coating that needs no addition of bonding agents or dry plaster mix products. Offered in a wide variety of standard colors or can be made to match custom color specifications.

TRI-SHEEN CONCRETE SURFACER conforms to the following specifications:

- Fed. Spec. TTP #19
- MN DOT Spec. #3584

TRI-SHEEN CONCRETE SURFACER has been tested in accordance with the following:

TEST	METHOD	RESULTS
Water Vapor Transmission	ASTM E96-80	14.7+ grams/meter ² /24 hour
Freeze/Thaw	ASTM C666-84	50 Plus Cycles Passed

Fungus Resistance	Federal 141,6271-1	After 21 Days No Fungal Support
Dry Time	Normal Humidity Conditions	1-4 Hours
Topcoat	TRI-SHEEN ACRYLIC	24 Hours

- A.I.M. Category: Flat Coatings-Exterior
- A.I.M. Definition: A coating that is not defined under any other definition in this section and that registers gloss less than 15 on an 85-degree meter or less than 5 on a 60-degree meter according to the American Society for Testing and Materials (ASTM) Method D 523-89, Standard Test Method for Specular Gloss.
- Related Definitions:
Exterior Coatings: An architectural coating formulated and recommended for use in conditions exposed to the weather.
- VOC Content Limit: 250 grams per liter

5. APPLICATION PROCEDURES

Preparation:

Remove all loose and/or crumbled laitance and dust from the surface. Power washing is advisable, however if the surface to be coated is highly contaminated and cannot be cleaned sufficiently with power washing, sandblasting will become necessary. Grease, oil, and any form release agents should be removed with TK-101 chemical cleaner or other suitable cleaner. Do not apply over any pooling or puddling water. Apply only to fully cured concrete. Any patching or repairs should also be fully cured (see manufacturers' instructions).

TRI-SHEEN CONCRETE SURFACER should only be applied to structurally sound, properly prepared surfaces, for technical assistance contact your nearest TK/Sierra distributor.

Application:

TRI-SHEEN CONCRETE SURFACER may be applied by spray, brush or roller. A slight dampening of the surface may be required if hot or windy conditions persist. It is important that a wet edge or open film be maintained. This practice will eliminate uneven application and allow the film to properly coalesce. When applying by roller a one inch nap cover is suggested. With a fully saturated roller, apply in one direction only, either vertical or horizontal. Work new material back into previous areas and out again achieving a uniform rate of application. Never start or stop in the middle of a plane, work from edge to edge, (i.e.: mortar joint, corner, control joint, pilaster or any natural break point.) back rolling if necessary. DO NOT EXCEED THE MAXIMUM OF 100 SFPG.

When applying by spray, a hopper type texture gun may be used. On larger scale jobs a non-pulsating positive displacement pump with a minimum 1" material line should be used. Tip size will be determined by the output of the chosen pump.

Coverage:

Coverage will be greatly determined by the porosity of the substrate, weather conditions at time of application, method of application, etc. The following chart is to be consulted only as an approximate guideline. TRI-SHEEN CONCRETE SURFACER will yield the following SFPG on:

<u>Surface</u>	<u>Coverage</u>
Lightweight or Break-off block	40-50 SFPG
Normal Precast Panels	50-60 SFPG
Stone, Brick or Steel Troweled Concrete	60 plus SFPG

A test of 200 SF should be applied duplicating application procedure using the equipment to be used, etc. to determine the exact square footage per gallon.

TRI-SHEEN CONCRETE SURFACER is packaged ready to use. Stir well or agitate before using. Any thinning to be done, should not exceed one pint of clear potable water per gallon. Thinning should only be considered to facilitate ease of application due to various typed of equipment or weather conditions. Never thin for the purpose of extending the material.

TRI-SHEEN CONCRETE SURFACER should be applied only when the ambient are temperature has been 45°F. or above for a period of no shorter than 48 hours prior to application. Avoid application when the chance of mist, rain or temperatures below 45°F. could result sooner than 48 hours after application. DO NOT apply TRI-SHEEN CONCRETE SURFACER to frost filled block or any frozen surfaces.

6. AVAILABILITY & PACKAGING:

TRI-SHEEN CONCRETE SURFACER is available in three grades of texture: Fine, Medium or Coarse. All are packaged ready to use in 5 or 55 gallon containers.

Custom colors are available upon request. Please submit color standards for pricing. Contact TK/Sierra for the nearest distributor.

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

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