



TRI-SHEEN CONCRETE SURFACER, SMOOTH

Meets Federal EPA's VOC Requirements

PRODUCTS

Division of Sierra Corporation

Technical Data

TRI-SHEEN CONCRETE SURFACER, SMOOTH
Concrete and Masonry Coatings

PRODUCTS
9
TK



PRODUCTS
9

TRI-SHEEN CONCRETE SURFACER, SMOOTH
Concrete and Masonry Coatings

1. PRODUCT NAME

TRI-SHEEN CONCRETE SURFACER, TK-5321 SMOOTH

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

TRI-SHEEN CONCRETE SURFACER, SMOOTH is a non cementitious 100% acrylic, breathable masonry coating. With the use of advanced acrylic technology, TRI-SHEEN CONCRETE SURFACER, SMOOTH offers the following advantages over standard multipurpose paint coatings:

- Will not fade, chip, crack or peel.
- Resistant to ultraviolet degradation.
- Long term color retention.
- A breathable film resulting in no internal entrapment of moisture vapors.
- Will not support mildew growth.
- Brush, roll or spray application.

TRI-SHEEN CONCRETE SURFACER, SMOOTH may be used on any of the following substrates, poured on precast concrete, block, brick, stone, stucco or any properly prepared cementitious type surfaces; both exterior and interior applications are acceptable.

TRI-SHEEN CONCRETE SURFACER, SMOOTH was designed specifically where internal slab moisture or the continued migration of moisture is a problem, parking ramps, underground garages, etc.

4. TECHNICAL DATA

TRI-SHEEN CONCRETE SURFACER, SMOOTH has been blended using high performance 100% acrylic copolymers, advanced adhesion monomers, and various siliceous powders for improved durability.

TRI-SHEEN CONCRETE SURFACER, SMOOTH has been tested in accordance to the following:

TEST	METHOD	RESULTS
Water Vapor Transmission	ASTM E96	9.75 Grams/Meter 2/24 hrs. 8 mils
Freeze/Thaw	ASTM C666-84	50 Cycles Passes
Fungus Resistance	Federal 141,6271-1	No fungal Support 21 days
Moisture Resistance	TT-C555B	No change

- A.I.M. Category: Flat Coatings- Exterior
- Maximum VOC: 250 grams per liter
- 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.

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 be fully cured (see manufacturers' instructions).

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

Application:

TRI-SHEEN CONCRETE SURFACER, SMOOTH 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. For spray application an airless unit capable of approximately 2000 to 3000 psi with a tip of 25 to 30 thousands will be required. The removal of internal filters may be required. Tip size and material pressure will be affected by hose length.

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:

<u>Surface Type</u>	<u>Estimated Coverage</u>
Lightweight or break-off block	75-100 SFPG
Smooth precast panels	100-124 SFPG

A test patch of 200 SF should be prepared, duplicating product application procedures to be used and using the equipment to be used to determine the exact square footage per gallon.

TRI-SHEEN CONCRETE SURFACER, SMOOTH 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 types of equipment or weather conditions. Never thin for the purpose of extending the material.

TRI-SHEEN CONCRETE SURFACER, SMOOTH should be applied only when the ambient air 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, SMOOTH to frost filled block or any frozen surface.

6. AVAILABILITY:

TRI-SHEEN CONCRETE SURFACER, SMOOTH is available in 55, 5 and 1 gallon containers. TRI-SHEEN CONCRETE SURFACER, SMOOTH may be ordered in either standard colors or on a custom color basis. Please submit color standards for pricing. Contact TK/Sierra for 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

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 test 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