



**PRODUCTS**

Division of Sierra Corporation

# TRI-SHEEN ACRYLIC

Meets Federal EPA's VOC Requirements

## Technical Data



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**TRI-SHEEN ACRYLIC**  
Concrete & Masonry Coatings

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### 1. PRODUCT NAME:

TRI-SHEEN ACRYLIC

### 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 ACRYLIC is a 100% acrylic breathable masonry coating. With the use of specially designed acrylic polymers and advanced adhesion monomers, TRI-SHEEN ACRYLIC offers the following advantages over standard multipurpose paint coatings:

- Will not fade, chip, crack or peel.
- Resistant to ultraviolet degredation.
- Will not support mildew growth.
- Stays cleaner longer, sheds dirt easily.
- A breathable film resulting in no internal entrapment of moisture vapors.
- Long term color retention.
- For use on exterior or interior surfaces.
- Brush, roll, or spray application.
- Custom colors available.

TRI-SHEEN ACRYLIC can be used by itself or can be incorporated in the TRI-SHEEN Concrete Surfacer or the TRI-CON System. TRI-SHEEN ACRYLIC is designed to be used on all cementitious surfaces as well as on properly prepared wood or metal.

TRI-SHEEN ACRYLIC is an excellent topcoat for use over TRI-SHEEN Concrete Surfacer or the TRI-CON System. TRI-SHEEN ACRYLIC can also be intermixed with the TRI-CON System to aid in color stability and further promote adhesion.

With addition of the TRI-SHEEN ACRYLIC over textured surfaces a more uniform color will be achieved. This type of system also offers the architect an endless choice of accent colors for graphic uses.

TRI-SHEEN ACRYLIC has been formulated to maintain a completely breathable film when used in conjunction with TRI-SHEEN Concrete Surfacer or the TRI-CON System.

The proper breathability (or perm factor) of a concrete coating is an essential performance factor that must be incorporated in the formulation process through the careful selection of polymers and resins.

The ability of a coating to properly breath allows any trapped moisture vapors to pass through the film successfully, without loosening or peeling any of the coating from the substrate.

### 4. TECHNICAL DATA:

TRI-SHEEN ACRYLIC's polymers have been tested in accordance to:

	Test Method	Results
Water Vapor Transmission	ASTM E96	9.75 grams/meter <sup>2</sup> /24hr.
Fungus Resistance	Federal 1416271-1	no fungus @ 21 days
Freeze Thaw Cycles	ASTM C666-84	50 Cycles No Changes

TRI-SHEEN ACRYLIC conforms to the following specifications:

- FED. SPEC. #TTP 19
- MN DOT #3584
- V.O.C. Complaint
- V.O.C. Content 250 g/l
- 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 a 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 AND INSTRUCTIONS

#### Preparation:

Remove all loose and or crumbled laitance and dust from the surface. Power washing advisable. Grease, oil and any form release agents should be removed with TK-101 chemical cleaner or other suitable cleaner. Do not leave pooling or pockets of water on the surface. If the surface needs repair, TK Concrete Patch is recommended, allow to fully cure (48-72 hrs.). If other patching materials are to be used consult the manufacturers application instructions for cure and recoat times.

#### Application:

TRI-SHEEN ACRYLIC may be applied by spray, roller or brush methods. Slight dampening of the surface may be required if applied during hot or windy conditions.

TRI-SHEEN ACRYLIC is packaged ready to use, no thinning is required. DO NOT THIN. TRI-SHEEN ACRYLIC should be applied only when 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 within a 48 hour period.

TRI-SHEEN ACRYLIC should be applied using approved application methods on sound, clean properly prepared surfaces. Contact TK Products for additional technical assistance.

**Coverage:**

Coverage will be greatly determined by the substrate porosity, application procedures and weather conditions. The square footages listed below are for reference only. A 150 square foot test area should be applied for color and yield approval.

<u>SURFACE</u>	<u>COVERAGE</u>
Light weight or break-off block	100-150 SFPG
Smooth precast panels	300-400 SFPG
Over TRI-SHEEN Concrete Surfacers or the TRI-CON System type textures	125-175 SFPG

**Precautions:**

TRI-SHEEN ACRYLIC contains acrylic resins and a minimal amount of ammonia. excessive prolonged inhalation may result in headache, nausea and eye or lung irritation.

**First Aid:**

*Ingestion:* Induce vomiting; call a physician immediately. *Eye Contact:* Do not rub, flush with clean water for 15 minutes. *Skin Contact:* Remove by washing thoroughly with soap and water. If eye or skin irritation continues, obtain medical assistance.

**6. AVAILABILITY:**

TRI-SHEEN ACRYLIC is available in 1, 5 and 55 gallon containers. TRI-SHEEN ACRYLIC is available in standard colors or can be ordered to match various colors on a custom basis. Please submit color standards for pricing. Contact TK Products 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

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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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