

# TRI-LASTIC SMOOTH \ FINE \ MEDIUM

Meets Federal EPA's VOC Requirements



Division of Sierra Corporation  
ISO 9001:2008 Certified

## Technical Data

### 1. PRODUCT NAME

TRI-LASTIC  
SMOOTH/FINE/MEDIUM  
TK-5610, TK-5611, TK-5612

### 2. MANUFACTURER

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

### 3. PRODUCT DESCRIPTION

TRI-LASTIC is a protective, decorative, elastomeric acrylic coating with high quality 100% acrylic resins for concrete masonry and stucco. It has excellent elongation and recovery properties.

TRI-LASTIC has excellent resistance to stains, dirt, acid, alkali, air-borne pollutants, mildew and degradation from freeze/thaw or ultraviolet rays. TRI-LASTIC will bridge hairline cracks and move with the substrate throughout a wide range of temperatures. It forms a film which is water repellent to wind driven rain, but is permeable to water vapor reducing entrapment of moisture vapor in the substrate. TRI-LASTIC contains no plasticizers and will not become hard or brittle through many years of exposure.

#### Basic Uses:

TRI-LASTIC provides an elastomeric, long-lasting water repellent coating for exterior or interior properly prepared concrete, block, brick, stone and stucco.

#### Advantages:

- Superior water repellency
- Maintains flexibility through multiple weathering cycles.
- Contains no external plasticizers.
- Excellent low temperature flexibility.
- Ideal coating for sealing and waterproofing hairline cracks in stucco or plaster finishes.
- Ideal as a topcoat over TRI-MIX and TRI-MIX PLASTER MIX.
- Average dry time @ 70° F.:  
Recoat: 24 hours

- Full cure: 72 hours
- Elongation at Break:  
1009% (73° F.)  
1181 % (32° F.)
- Moisture Vapor Permeability:  
12.8 Perms
- Permeable to water vapor.
- Excellent UV resistance and color retention.

### 4. TECHNICAL DATA

#### TRI-LASTIC Smooth

Viscosity (KU)	108-125 KU
VOC content:	50 g/l
pH:	9.5
Flash Point:	none
Film Thickness at 100 sq. ft/gal	wet 16 mil dry 8 mil

TRI-LASTIC has been formulated to comply with the following specifications:

- ASTM D-412 Elongation and Tensile Strength Test
- E-96 Water Vapor Transmission Test
- D-3274 / D-3273, Fungus and Mildew Resistance Test
- E882, Accelerated Weathering Test
- C-666, Freeze/Thaw resistance Test
- Federal Specification TT-C-555 B, Wind Driven Rain Test
- 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 D523-89, Standard Test Method for Specular gloss.
- VOC Compliant
- VOC content limit: 250 grams per liter.

#### Coverage:

Coverage rates will vary. The following are recommended coverage rates depending on the different types of substrates.

Block, brick, stucco and raked concrete panels should be applied at a rate of 50 to 100 ft<sup>2</sup>/gallon.

Smooth concrete should be applied at a rate of 100 to 125 ft<sup>2</sup>/gallon.

Some applications may require two coats to achieve the desired film build as one heavy coat may result in sagging.

- If applied at :
- 50 ft<sup>2</sup>/gallon will yield 32 wet mils 15.5 dry mils.
  - 100 ft<sup>2</sup>/gallon will yield 16 wet mils 7,76 dry mils.
  - 125 ft<sup>2</sup>/gallon will yield 12.8 wet mils 6.2 dry mils.

### 5. APPLICATION PROCEDURES AND INSTRUCTIONS

#### Preparation:

Before buying and using this product, read completely this product's label, technical data sheet and Material Safety Data Sheet (MSDS) available where product is purchased.

Remove dust, salt, oil, grease, laitance, efflorescence, mildew, fungus, chalk dust and other contaminants which will affect adhesion. A high pressure water blast should remove most forms of contamination. Unstable masonry or release agents may require the use of abrasive or specialty chemical removal agents. Any method selected should be the least destructive method.

**Hairline Cracks:** Allow all cracks to dry completely following cleaning procedures. Clean all hairline cracks. A hairline crack is smaller than 1/16". Pretreat with a brush coat of TRI-LASTIC. Smooth over the crack. Fill the crack by working it into the crack.

**Larger Cracks:** Cracks larger than 1/16" which are non moving should be cleaned and pretreated with TRI-LASTIC and filled with TRI-LASTIC Knife Grade.

**Moving Cracks:** prepare the crack to be filled with a paintable joint sealant and follow the instructions of the joint sealant manufacturer.

**Chalky Surfaces:** Excessively chalky surfaces may require a second cleaning or seal with TK-BIND IT Chalky Surface Sealer. Should surface still show chalkiness, a fog coat of TK-225 (diluted a minimum of 3:1) must be applied to insure adhesion.

#### Mixing:

TRI-LASTIC is supplied ready to use. No thinning required. Stir with low speed

mixer to produce color uniformity, proper aggregate distribution (texture materials only) and to limit air entrapment. Multiple pail applications should be mixed together or "boxed" to ensure color uniformity throughout the application.

#### **Application:**

On surfaces where 100% of previous film chalk cannot be removed then a fog coat of TK-225 (diluted a minimum of 3:1) must be applied so as not to produce a high gloss film or seal with TK-BIND IT Chalky Surface Sealer. This application is not intended to be used as a substitute for proper cleaning procedures, but as a precautionary measure on marginal acceptable surfaces. Pretreat all cracks. Allow to dry. On all substrates a minimum of 16 mils of dry film thickness is required. An application of 50 sq. ft. per gallon will give a minimum dry film of 16 mil. This coverage rate is best achieved in 2 coats, 100 ft<sup>2</sup>/gallon each application. This will insure that any pinholes or holidays are filled.

**Roller Application:** Use a 1¼ to 1½ nap quality roller cover. Completely saturate the roller and keep the roller loaded with the coating to build the required mils. Only use a dry roller for touch up work, TRI-LASTIC is formulated to allow proper working time to avoid lap marks and the viscosity to build the required mils in one coat.

**Spray Application:** TRI-LASTIC smooth may be applied by an airless sprayer. Gun tip size of 0.027 – 0.032. On porous substrates, if pinholing appears this is an indication of entrapped air and back rolling will be necessary to remedy this problem. TRI-LASTIC fine and medium should only be applied with a texture or hopper style spray pump. Tip sizes of 1/8 to 3/8 will be required. Always work to a wet edge during application. For consistency keep application strokes uniform to ensure uniformity throughout. Stroke variations will produce texture variations.

#### **Dry Time:**

24 hours at 74° F and 50% relative humidity. Lower temperature and high relative humidity can extend the drying time.

#### **Limitations:**

Do not apply TRI-LASTIC over uncured concrete and stucco. Do not apply over frost. Do not apply to traffic surfaces. Field tinting of TRI-LASTIC is not recommended. Do not apply if temperature is 45° F. or below or if the temperature is expected to fall below 45° F within 24 hours after application. Do not apply if rain is expected within 24 hours of application, or during

high humidity conditions. Do not apply to wet or damp substrates. Always finish with roller in same directions to avoid light/dark shading of TRI-LASTIC. Always work to break point (I.e.: control joint, mortar joint, corner, etc) before stopping. Stopping and starting in the middle of a wall or panel may produce lap marks. Do not apply to improperly sealed substrates which are subject to migration moisture. Maximum allowable moisture content is 17%.

#### **Equipment Cleanup:**

All equipment may be cleaned with a mild detergent and water solution.

#### **Precautions:**

Vapor harmful. May affect the brain or central nervous system causing dizziness, headache or nausea. Causes eye irritation. Causes skin irritation. Causes nose and throat irritation. May cause allergic skin reaction. Harmful if swallowed.

Use only with adequate ventilation. To avoid breathing vapors or spray mist, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches or dizziness, increase fresh air or wear respiratory protection. (NIOSH/MSHA approved) Any person using a respirator must be properly trained in respirator use. Close container after each use. Avoid contact with eyes and skin. Dispose of empty containers in accordance to all applicable regulations.

#### **First Aid:**

If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately. In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention immediately; for skin, wash thoroughly with soap and water. If swallowed, do not induce vomiting. Give conscious victim 1 to 2 glasses of water and get medical attention immediately.

Wet material will not burn. Dried films of this material can burn and can be extinguished by foam, CO<sub>2</sub> or water spray.

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

#### **6. AVAILABILITY:**

TRI-LASTIC is available in three grades of texture: Smooth, Fine or Medium. Packaged ready to use in 5 or 55 gallon containers.

Custom colors are available upon request. Please submit color standards

for pricing. Contact TK Products for the nearest distributor.

#### **7. CONDITIONS OF SALE/ LIMITED WARRANTY**

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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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