

# TK-1606 TRI-THANE ALIPHATIC URETHANE



## Technical Data

### 1. PRODUCT NAME

TK-1606 TRI-THANE

### 2. MANUFACTURER

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### 3. PRODUCT DESCRIPTION

TK-1606 TRI-THANE is a clear, glossy, non-yellowing aliphatic moisture cure urethane, specially designed for floor finishing. It reacts with atmospheric moisture to form an extremely durable film with superior chemical and abrasion resistance.

#### Basic Uses:

TK-1606 TRI-THANE is an excellent floor finish, where good chemical and abrasion resistance are needed. It can be used over acid stain floors, or over most any properly prepared concrete, from garage floors to airplane hangers. TK-1606 TRI-THANE is an excellent topcoat for TK-EPOXY COLOR SYSTEM or TK-HI-TECH EPOXY. Priming with Epoxy is recommended when colors are to be used.

### 4. TECHNICAL DATA

#### Composition and Materials:

Aliphatic urethane in a solution of solvents.

- Flash Point: 40° F.
- D.O.T. Shipping Name: Paint, 3, UN1263, II
- Specific Gravity 1.04

#### Applicable standards:

- A.I.M. Category: Floor Coating.
- Actual VOC Content: Less than 400 g/l
- A.I.M. Definition: A floor coating formulated and recommended for application to concrete to enhance the appearance and protect the floor from chemical damage.

#### Resistance to:

Abrasion	-----	Excellent
Acid	-----	Good
Alkali	-----	Good
Humidity	-----	Excellent
Petroleum Products	---	Excellent
Skydrol	-----	Excellent
Salt Spray	-----	Good
Weather	-----	Excellent

### 5. APPLICATION INSTRUCTIONS

#### Application:

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.

Apply in a uniform manner with brush, roller, lambs wool applicator or similar or airless sprayer. Professional grade rollers and applicators are strongly recommended. Do not allow material to pond. Do not over work the product when rolling for this can produce excessive bubbling. Sealing concrete flatwork takes skill and practice. Prior to general application, a representative jobsite test area must be prepared and sealed to verify and approve suitability, proper surface preparation methods, adhesion, safety, performance, wet and dry slip resistance, application techniques, and coverage.

#### Dry time:

At 70° F. average dry time.  
Tack free 4-8 hours.  
Recoat within 24 hours.  
Full Cure 1-3 days.

#### Limitations:

Apply in temperatures above 50 degrees F. Do not apply if the relative humidity is above 70% or below 30% as this may have negative affects on the cure.

TK-1606 TRI-THANE can be used over some previously coated floors by sanding the original coating prior to applying TK-1606 TRI-THANE. A small test is always recommended first, to

insure compatibility. Do not use over Bright Kure and Seal.

TK-1606 TRI-THANE cannot be applied over wet or damp substrates. The substrate must be thoroughly dry or adverse results may occur.

#### Coverage:

Apply at 300 - 400 sq. ft. per gallon. If a second coat is desired, apply at the same rate.

Coverage rates will be dependent upon the porosity of the concrete. A test patch should always be applied to determine coverage rate and compatibility with substrate.

#### Clean Up:

Clean equipment and spills before material dries with TK-00 Solvent. For sprayers, pump the solvent through the spray equipment to remove residue of material, which can clog the hose and spray gun assembly.

#### Precautions:

TK-1606 TRI-THANE contains flammable solvents. Keep away from heat, flame and sources of ignition. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. Use only with adequate ventilation. Do not breathe vapor or spray mist. Ensure fresh air entry during application and drying. If you experience eye watering, headaches or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during and after application. Follow respirator manufacturer's direction for respirator use. All persons using a respirator must be trained on respirator usage. Close container after each use. It is recommended to use all of the product in one use. Opening and closing container will allow atmospheric moisture to react with the unused material and render it useless. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. KEEP OUT OF REACH OF CHILDREN. Do not allow vapors to penetrate into



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foodstuffs. Remove animals from quarters until all fumes have dissipated. TK-1606 TRI-THANE in its cured state is not toxic. Do not reuse empty container. Dispose of empty containers in accordance to all applicable regulations.

**Maintenance:**

Minimal maintenance is required other than normal sweeping, dusting or mopping. Recoating is possible by cleaning and sanding prior to application.

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

**6. AVAILABILITY**

TK-1606 TRI-THANE is available in one and five gallon containers.

**Colors Available:**

Clear. TK-1166 color packs are available at an additional cost. Call your TK distributor for colors, cost and availability.

Custom colors available upon request.

**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.

**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 CONDITIONS SALE / LIMITED WARRANTY (Section 7) above.

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