



Division of Sierra Corporation  
ISO 9001:2008 Certified

# TK-EPOXY FLOOR CHIP KIT

Meets Federal EPA's VOC Requirements

## Technical Data

### 1. PRODUCT NAME

TK-EPOXY FLOOR CHIP KIT

### 2. MANUFACTURER

TK PRODUCTS  
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Website: <http://www.tkproduct.com>

### 3. PRODUCT DESCRIPTION

TK-EPOXY FLOOR CHIP KIT is a complete 100% solids epoxy floor system. It is available in a 400ft<sup>2</sup> kit.

#### The kit includes...

- TK-HI TECH EPOXY for a base coat tinted to standard TK colors. (1- 2 gallon unit)
- STANDARD COLORED CHIPS (1- 2.5# package)
- TK-HI TECH EPOXY, clear, for a top coat (1- 2 gallon unit)

TK-HI TECH EPOXY is a 1:1 mix by Volume.

#### BASIC USES:

TK-EPOXY FLOOR CHIP KIT can be used to beautify garage floors, basement floors, industrial areas or any interior area where low odor products need to be used.

### 4. TECHNICAL DATA

#### COMPOSITION AND MATERIALS:

TK-EPOXY FLOOR CHIP KIT is a 100% solids, solvent free polyamine epoxy system.

#### PROPERTIES

-Viscosity	Viscous
-Weight per Gallon	10.77#
-Solids by Weight	100%
-Solids by Volume	100%
-Crypto Meter Hide	N/A
-Initial Gloss @ 60	High

-Dry Film Thickness	Approx. 15 mils
at 400 sq. ft. coverage	
-Flash Point	None

-Flexibility	Pass
-Conical Mandrel	¼ inch
-Pencil Hardness Min.	3H-6 fully cured
-Crosshatch	
Adhesion % Min.	100%
-Lead	None
-Bleeding	None
-D.O.T. Shipping Name	Not Regulated

-A.I.M. Category: Floor Coating  
-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
Salt Spray	Good

### 5. APPLICATION PROCEDURES AND INSTRUCTIONS

#### PREPARATION:

The floor must be prepared in a manner that is consistent to epoxy applications (shot blast, sand blast or acid etch with proper rinses). It is recommended to conduct a proper moisture test prior to application. **Even with proper preparation, the concrete has the possibility of gassing, which can produce bubbles within the coating. A small area should always be pre-applied to test for this reaction.** In addition, try one, or all, of the following suggestions:

- 1- Change the time of application; periods of cool-down are best (afternoon).
- 2- Apply a thin prime coat.
- 3- Use a porcupine or spike roller to pop any bubbles.

**THE APPLICATOR IS ENTIRELY RESPONSIBLE FOR PROPER APPLICATION PROCEDURES AND THE RESULTS THERE OF.**

#### TOOLS REQUIRED:

Make certain that all tools required for the application process are present prior to application. Two or more people are recommended to successfully complete this process.

-Mixing buckets (up to 3 may be needed)

-Low speed (450 RPM) drill and mix paddle

-Porcupine or spike roller

-Roller frames- Roller covers + long handles (two needed for each coat; have extras available)

-Paint brushes

-Squeegee + long handle

-Metal spike soled shoes

-Rags

-Tools to open cans; spatula or stick to scrape product from containers

-Masking tape and paper

-Clean up solvent (TK-00 Solvent)

Good coating practices need to be observed at all times to assure maximum application success.

#### APPLICATION:

When the floor has been properly prepared and is clean, dry and free of debris; application can begin. All large holes should be filled with TK-411 PASTE EPOXY PATCH. When the TK-411 has hardened, grind smooth to the proper level. All cracks in the floor surface should be filled with TK-9000 crack filler, and should be allowed to fully harden. Make certain that all tools required to mix and apply the epoxy are present. Mix the tinted TK-HI TECH EPOXY with a low speed mixer for two to five minutes to ensure proper pigment dispersal. When the product has been mixed, pour it onto the floor, spreading with a squeegee, and back rolling with a high-quality paint roller. While the HI-TECH EPOXY is still uncured, broadcast the color chips in a uniform

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Epoxy Floor Coating

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manner until the desired appearance is achieved (making sure that all chips have been mixed prior to broadcast). **Not all chips need be used; you may have chips left over after broadcast.** Let dry overnight and apply the clear HI-TECH EPOXY top coat. TK-TRI GRIP can be added to the surface for additional slip resistance.

*Helpful hint:* Throw the color chips up into the air and let fall to the floor in order to uniformly distribute them.

#### **DRY TIME @ 70° F:**

- 1-2 hours tack free
- Recoat within 24 hours
- Full cure in 1-3 days

#### **POT LIFE @ 70° F:**

- 30 minutes

#### **LIMITATIONS**

Apply in temperatures above 50° F. TK-EPOXY FLOOR CHIP KIT can be used over previously coated floors by sanding the original coating prior to applying. A small test area is always required to insure compatibility.

- Do not apply over surfaces that are frozen, structurally unsound or where water or water vapor is being transmitted through the concrete.
- Do not use on asphalt.
- Is designed for indoor use.
- The material may yellow and/or chalk when used outdoors.
- Do not use once the pot life has expired.
- Do not mix freshly catalyzed material with previously catalyzed material.

#### **COVERAGE**

One kit of TK-EPOXY FLOOR CHIP KIT will cover 400 square feet (approximately a 20' by 20' area) and will yield approximately 15 dry mils thick.

#### **CLEAN UP OF EQUIPMENT**

Clean equipment and spills before the material dries with TK-99 SUPER SOLVENT or TK-00 solvent.

#### **PRECAUTIONS**

Avoid contact with eyes, skin and clothing. Avoid inhalation of vapors. Wash thoroughly after handling this material. **KEEP OUT OF THE REACH OF CHILDREN.** Do not allow vapors to penetrate into foodstuffs. Remove animals from quarters until all fumes have dissipated.

In its cured state, TK-EPOXY FLOOR CHIP KIT is not toxic. Do not reuse the empty container and dispose of empty containers in accordance to all applicable regulations.

#### **MAINTENANCE**

Minimal maintenance is required other than normal sweeping, dusting or mopping.

#### **6. AVAILABILITY**

TK-EPOXY FLOOR CHIP KIT is available in 400 square foot kits and comes in a variety of colors.

#### **COLORS AVAILABLE**

- 102 Light Gray with Black and White chips.
- 104 Dark Gray with Black, White and Gray chips.
- 450 TK Tan with Brown, Light Brown and Off-White chips.

Additional Black, White, Off-White, Gray, Brown and Light Brown chips can be purchased separately. Call your TK Distributor for a price quote.

#### **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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#### **FOR INDUSTRIAL USE ONLY**

7/08