



TK-EPOXY/POLYASPARTIC FLOOR CHIP KIT

Decorative Finish Epoxy/Polyaspartic Floor Coating System

PRODUCT DESCRIPTION

TK-EPOXY/POLYASPARTIC FLOOR CHIP KIT is a complete, liquid applied epoxy floor system for areas requiring strength and durability with a decorative finish. Includes tinted epoxy, clear polyaspartic and decorative chips in a choice of colors.

Features:

- Forms a tough, high strength coating that is resistant to abrasion from heavy traffic and is unaffected by rubber burns.
- Resistant to damage caused by exposure to alkalis, solvents, acids, salt solutions and water; fats, oils and fuels.
- Formulated with resins which work as an adhesive within the slab, strengthening it around minor cracks, crevices and weak spots.
- Virtually odor-free during installation and curing, making it ideal for interior applications.
- Low maintenance, high-gloss finish is smooth, durable and easy to clean.

USES:

Suitable for interior use on commercial, residential or industrial concrete flooring and garages.

APPLICATION PROCEDURES:

PREPARATION:

Surfaces must be prepared in a manner that is consistent with epoxy application; either by shot blasting, sand blasting or acid etching using proper rinses.

Large holes should be filled TK-PASTE EPOXY PATCH 411* and upon hardening ground smooth to the proper level. All cracks in the floor should be filled with TK-EPOXY CRACK FILLER 9000* and allowed to fully harden.

Preparation Note: Even with proper surface preparation there is still the possibility of concrete "gassing" which produces bubbles within the coating. A small test area should always be performed prior to project start-up to check for this reaction.

If gassing does occur during testing, perform one or all of the following steps:

- 1) Adjust the time of application so that it is done during cool-down (afternoon) periods.
- 2) Apply a thin prime coat before proceeding with full application.
- 3) Use a porcupine or spike roller to pop any bubbles which may develop.

MIXING:

TK-EPOXY/POLYASPARTIC FLOOR CHIP KIT is sold in kits which consist of the following:

- Base Coat - tinted epoxy (in standard colors)
- Top Coat - clear polyaspartic
- Color Chips - to be broadcast between coats of epoxy (in standard colors)

Mix the tinted base coat with a low-speed mixer for two to five minutes to ensure proper pigmented dispersal prior to application. In a separate container, mix color chips to ensure adequate color dispersal. The clear top coat should be mixed with a low speed mixer for 1-2 minutes before applying.

APPLICATION:

THE APPLICATOR IS ENTIRELY RESPONSIBLE FOR PROPER APPLICATION PROCEDURES AND THE RESULTS THEREOF.

Pour the mixed base coat onto the floor, spreading with a squeegee and back rolling with a high-quality paint roller. Immediately broadcast the color chips in a uniform manner across the surface. **Helpful chip broadcast hint:** Throw the color chips into the air and allow to fall to the floor in order to uniformly distribute. NOT ALL CHIPS MUST BE USED. Apply until the proper appearance is achieved.

TECHNICAL DATA

Composition and Materials: A liquid applied epoxy/polyaspartic system.

Epoxy Properties

Flash Point:	None
Weight per gallon:	10.77#
Solids by weight:	100%
Solids by volume:	100%
Initial Gloss @ 60°:	High
Pot Life (at 70°F):	30 minutes
VOC Content:	< 400 g/l
A.I.M. Category:	Floor Coatings Maximum VOC 400 g/l

Polyaspartic Properties

Flash Point:	105°F
Solids:	76.5% +/- 1%
Initial Gloss @ 60°:	High
Pot Life (at 70°F):	20-30 minutes
VOC Content:	< 400 g/l
A.I.M. Category:	Floor Coatings Maximum VOC 400 g/l

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.

<ul style="list-style-type: none"> • Mixing buckets (up to 3 may be needed) • Low speed (450 RPM) drill and mix paddle • Porcupine or spike roller • Roller frames • Roller covers and long handles (two needed for each coat + on-hand extras) • Paint brushes 	<ul style="list-style-type: none"> • Squeegee and long handle • Metal spike soled shoes • Rags • Tools to open cans and a spatula or stick to scrape product from containers • Masking tape and paper • Clean-up solvent (TK-00 Solvent or a like product)
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Allow to dry overnight then apply the clear top coat by pouring a "ribbon" of the material onto the floor, spreading with a squeegee and back rolling with a quality 3/8" nap roller. For best results, it is recommended to apply two additional coats of clear polyaspartic over the color chips (to do so will require purchase of additional TK-POLYASPARTIC 2425).

For additional slip resistance, TK-TRI-GRIP SYNTHETIC AGGREGATE* may be incorporated into the top coat.

DRYING TIME (@ 70°F):

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

CLEAN UP:

Clean tools, equipment and spills with TK-99 SUPER SOLVENT* or TK-00 XYLENE* before the material dries.

COVERAGE:

Surface	Coverage
100ft ² kit:	100 sq.ft./gal (covers a 5'x5' area)
400ft ² kit:	400 sq.ft./gal at 15 dry mils (covers a 20'x20' area)

Coverage rates are provided as a guideline only. Many factors including surface texture, porosity and weather conditions will determine actual coverage rates.

MAINTENANCE:

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

LIMITATIONS:

- Apply in temperatures above 50°F.
- 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.
- For indoor use only; may yellow or chalk if used outdoors.
- Do not use once the pot life has expired.
- Do not mix freshly catalyzed material with previously catalyzed material.

FIRST AID:

- Consult this product's safety data sheet for additional health and safety information. Safety Data Sheets are available through TK distributors, the TK office and the TK website.

AVAILABILITY:

TK-EPOXY/POLYASPARTIC FLOOR CHIP KIT is available through TK Distributors. Contact TK Products for the nearest distributor.

Packaged in 400ft² and 100ft² kits.

Colors Available:

- #102 Light Gray (with black and white chips)
- #104 Dark Gray (with black, white and gray chips)
- #450 TK Tan (with dark brown, light brown and off-white chips)

*Additional color chips may be purchased separately. Contact your TK distributor for a price quote.

FOR PROFESSIONAL USE ONLY

NOTES:

- *TK-PASTE EPOXY PATCH 41 I must be purchased separately
- *TK-EPOXY CRACK FILLER 9000 must be purchased separately
- *TK-TRI-GRIP SYNTHETIC AGGREGATE must be purchased separately
- *TK-99 SUPER SOLVENT must be purchased separately
- *TK-00 XYLENE must be purchased separately

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