



TK-POLYASPARTIC

Protective Floor Coating

Item No. TK-2425 series

PRODUCT DESCRIPTION

TK-POLYASPARTIC is a two-component, chemically resistant polyaspartic coating offering outstanding durability and toughness against scratching and abrasion. Its high gloss finish and availability in either clear or tinted formulations make it ideal for beautifying and protecting interior surfaces.

Features:

- Incorporates a unique combination of flexibility and impact resistance for ultimate strength and surface protection.
- Excellent resistance to damage caused by chemical attack or ultra-violet rays.
- Fast drying time allows most projects to be completed within one day.

USES:

Suitable for interior or exterior use on concrete flooring or surfaces subjected to heavy traffic and abrasion or chemical/corrosive attack. Ideal for warehousing, manufacturing, industrial and automotive environments.

APPLICATION PROCEDURES:

PREPARATION:

In order to ensure optimal results, it is imperative that proper preparation and floor coating practices be administered when applying this product.

The surface must be clean, dry and free of any dirt or dust. Possible surface preparation methods include: shot blasting, sand blasting, grinding, or acid etching and finishing with a thorough rinsing of warm, clean water. Priming of the surface is recommended using a coating of TK-POLYASPARTIC, TK-EPOXY COLOR SYSTEM VOC*, or TK-HI-TECH MAXIMUM SOLIDS EPOXY*. Tint primer to the desired color.

MIXING:

Mixing ratio is 1-part "A" component to 1-part "B" component by volume.

- 1) Combine equal parts of components "A" and "B" and mix with a low speed mixer for 1-2 minutes.
- 2) This product is supplied clear but may be tinted with TK-URETHANE COLORANT 1166* where color is desired. Mix 1-pint of colorant to 1-gallon of polyaspartic ("A" component only).
- 3) Once mixed, combine this material with the "B" component.

APPLICATION:

Immediately pour a "ribbon" of the material onto the floor, spreading with a squeegee and back rolling using a quality 3/8" nap roller. If a chip floor is desired, the color chips should be broadcast over the tinted polyaspartic and topcoated with two coats of clear polyaspartic.

TECHNICAL DATA

Composition and Materials: Isocyanate/Aspartic Ester

Pot Life:	30 minutes at 75°F and 50% RH
Flash Point:	105°F
Dry Film Thickness:	3.8-5.8 mils
Dry Time (@ 75°F):	
Tack Free:	2 hours
Recoat:	2-4 hours
Full Cure:	4-8 hours
VOC Content:	< 250 g/l
A.I.M. Category:	Nonflat High Gloss Coatings Maximum VOC 250 g/l

RESISTANCE CHART

TK-POLYASPARTIC offers the following resistance to:

Abrasion:	Excellent
Acetic Acid (25%):	Excellent
Sulfuric Acid (10%):	Excellent
Hydrochloric Acid (25%):	Excellent
Nitric Acid (25%):	Poor
Gasoline:	Excellent
Toluene:	Excellent
Skydrol:	Good
Kerosene:	Excellent
Hydraulic Acid:	Excellent
Brake Fluid:	Excellent
Acetone:	Excellent
Blood:	Excellent
Urine:	Excellent
Hydrogen Peroxide:	Good
Isopropyl Alcohol:	Excellent

For increased slip resistance, TK-TRI-GRIP NON-SLIP SYNTHETIC AGGREGATE*, or a broadcast of fine sand may be added to the final coat.

New Concrete Surfaces - Concrete must be 28 days old (at minimum) and should have had adequate time to fully dry before applying this product. Consult TK Products for application recommendations where concrete surfaces are less than 28 days old. Repair any surface defects, and remove any laitance or efflorescence before applying. If a curing compound has been used, it must either be removed or have fully dissipated. The surface pH should be tested, and must be at 12 or below at the time of application.

CLEAN UP:

Clean tools and equipment with Methyl Ethyl Ketone before the material dries.

COVERAGE:

Typical coverage rate is 200-300 square feet per gallon.
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.

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-POLYASPARTIC is available through TK Distributors. Contact TK Products for the nearest distributor.

Available in clear or tinted formulations.

Packaged in 2-gallon kit and 1/2 gallon kit units.

FOR PROFESSIONAL USE ONLY

NOTES:

- *TK-EPOXY COLOR SYSTEM VOC must be purchased separately
- *TK-HI-TECH MAXIMUM SOLIDS EPOXY must be purchased separately
- *TK-URETHANE COLORANT 1166 must be purchased separately
- *TK-TRI-GRIP NON-SLIP SYNTHETIC AGGREGATE must be purchased separately

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