



Division of Sierra Corporation
ISO 9001:2008 Certified

TK-POLYASPARTIC

Technical Data

1. PRODUCT NAME

TK-2425 Slow Dry Polyaspartic
TK-2426 Fast Dry Polyaspartic

2. MANUFACTURER

TK PRODUCTS
DIVISION OF SIERRA CORPORATION
11400 West 47th Street
Minnetonka, MN 55343
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952-938-8084 (FAX)
e-mail: tksales@tkproduct.com
Website: <http://www.tkproduct.com>

3. PRODUCT DESCRIPTION

TK-POLYASPARTIC is a two-component, chemically resistant coating offering outstanding durability against scratching and abrasion. It incorporates a unique combination of flexibility and impact resistance, while maintaining excellent chemical and UV ray protection. It's fast drying time allows most projects to be completed in one day. TK-POLYASPARTIC is available in a clear formulation, or may be mixed with TK-1166 Tint to produce a wide variety of colors.

USES:

TK-POLYASPARTIC may be used as a concrete floor coating to both protect and beautify floors in a variety of locations such as: warehouse floors, manufacturing and industrial areas, vehicle showrooms, automotive service bays, garage floors, etc.

4. TECHNICAL DATA

TK-2425 Slow Dry Polyaspartic

Composition:	Isocyanate/Asparic Ester
% Solids:	76.5 +/- 1%
Dry Film:	3.8 - 5.8 mils
Dry Time (at 75°F)	
Tack Free:	2 hours
Recoat:	2 - 4 hours
Full Cure:	4 - 8 hours
Mix Ratio:	1 part A: 1 part B by volume
Pot Life:	60 minutes at 75°F and 50% RH
Flash Point:	105°F

TK-2426 Fast Dry Polyaspartic

Composition:	Isocyanate/Asparic Ester
% Solids:	76.5 +/- 1%
Dry Film:	3.8 - 5.8 mils
Dry Time (at 75°F)	
Tack Free:	1 hour
Recoat:	1 - 3 hours
Full Cure:	3 - 6 hours
Mix Ratio:	1 part A: 1 part B by volume
Pot Life:	20 - 30 minutes at 75°F and 50% RH
Flash Point:	105°F

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

-VOC Content: 250 g/l (2.09 lb/gal)
-A.I.M. Category: Non-Flat - High Gloss Coatings, Maximum VOC 380 g/l (250 g/l OTC and LADCO)

5. APPLICATION PROCEDURES AND INSTRUCTIONS

Before using this product, read the technical data sheet, Material Safety Data Sheet (MSDS) and label in its entirety.

To ensure optimal results, it is imperative that proper preparation and floor coating practices are administered when applying this product.

The surface must be clean, dry and free of any dirt or dust before application is performed. Any of the following methods may be used to properly prepare the surface: shot blasting, sand blasting, grinding, or acid etching and finish with a thorough rinsing of clean warm water.

TK-POLYASPARTIC is shipped clear; if tinting is necessary use TK-1166 Tint to achieve the desired color. Use one pint of TK-1166 for every gallon of TK-POLYASPARTIC. Be sure to mix the tint with part A before combining with part B.

Mix with a low speed mixer for 1-2 minutes. When thoroughly mixed, pour a "ribbon" of the material onto the floor and spread with a squeegee. Follow with a back rolling technique using a quality 3/8" nap roller.

Priming of the surface is recommended; use TK-POLYASPARTIC, TK Epoxy Color System, or TK Hi-Tech Maximum Solids Epoxy. Tint primer to desired color.

If TK-POLYASPARTIC is to be used to produce a chip floor, the chips should be broadcast into the second coat of tinted TK-POLYASPARTIC with two coats of clear TK-POLYASPARTIC applied over the top of the chips (recommended).

For increased slip resistance, TK Tri-Grip Non-Slip aggregate, or a broadcast of fine sand is recommended to be used in the final coat.

Tools Needed:

- 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, have extras available)
- Paint brushes
- Squeegee, long handle
- Metal spike soled shoes
- Rags
- Tools to open cans; spatula stick to scrape product from containers
- Masking tape and paper
- Clean up solvent (Methyl Ethyl Ketone)

Coverage:

Average coverage rate for this product is 200 - 300 ft²/gallon. This should be used as a guideline only as actual coverage rates can vary due to the porosity and finish of the surface.

Clean Up:

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

Precautions:

Avoid contact with eyes, skin and clothing. Avoid inhalation of vapors. Wash thoroughly after handling this material. KEEP OUT OF REACH OF CHILDREN. Do not allow vapors to penetrate into foodstuffs. Remove animals from the area until all fumes have dissipated. Do not reuse the empty container and dispose of containers in accordance with all applicable regulations.

Maintenance:

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

6. AVAILABILITY

TK-POLYASPARTIC is available through TK Products distributors. Contact the TK office for the nearest distributor. Packaged in 2-gallon kits.

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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