



General Overview

POLYASPARTIC

ON-SITE APPLICATION TESTING

To ensure desired results are achieved, KRETUS® highly recommends that the system be tested in a small area on site.

SURFACE PREPARATION

Test and look for any unknown site conditions and/or defects. For testing requirements, review KRETUS® Pre- and Post-Job Checklists.

Before installing any KRETUS® product, substrate must be

- **Clean:** Remove any and all contaminants.
- **Profiled:** Mechanically prepare surface to CSP 1-3 (adhere to International Concrete Repair Institute's current guide for Concrete Surface Profiles). Each project may require a different CSP.
- **Sound:** Treat all joints (terminations and transitions) and random cracks.

NOTE: Joints and cracks may need to be expanded to 2x the width and 1x the depth. Anchor joints may need to be added before termination points. Edges around drains and gutters may need a deeper slope.

MIXING GUIDE

Review mix ratios and application methods in KRETUS® System Action Guideline.

Review KRETUS® Mixing Station Guide for general handling, storage, and preparation procedures. Careful measurements and thorough mixing are essential for a proper cure. Observe all mixing procedures and guidelines to assure a controlled and thorough chemical transition to a high-strength solid.

- **Mixing Drill:** Use a use a low-RPM, low- torque drill and Jiffler double-bladed mixer.

Mixing Instructions

- Mix Polyaspartic Parts A and B only if product names match (72 with 72; 85 with 85; 92 with 92).
- Mix Part A and B for 2 minutes.
- **If adding fumed silica or Matting Additive:** Mix Part A and additive for 2-5 minutes. Add Part B and mix for 2 minutes. Total mixing time = 4–7 minutes.
- **If adding Metallic Pigment:** Add additive to Part A and mix for 2-5 minutes. Allow color to set for 20 minutes to 24 hours before combining with Part B. Add Part B and mix for 1-2 minutes.
- **If adding Poly Colorant:** Mix Part A and additive for 2-5 minutes. Add Part B and mix for 2 minutes. Total mixing time = 4-7 minutes.
- **If adding KRETUS® Solvent Cleaner, quartz, or Anti-Slip texture:** Mix Part A and Part B and mix for 2 minutes. Add additive and mix for 1 minute. Total mixing time = 3 minutes.

SAFETY & CLEANUP

Review current Safety Data Sheet(s) and all relevant documentation before installing. Safety conditions and personal protective equipment must be considered before using any KRETUS® product.

For technical and safety data on PA (Polyaspartic), go to kretus.com/polyaspartic.

POLYASPARTIC APPLICATIONS (ALPHABETICAL ORDER)

APPLICATION	PRODUCTS	STANDARD KIT MIX RATIO	METHOD / TOOLS	COVERAGE RATE*
Broadcast System: Base Coat Directly Under Broadcast	Part A: any 92 or 85 A Part B: 92 or 85 B	A:B = 1 gal:1 gal	Work in 200-500 sf increments: 1. Apply with 8-12 WFT mil blade. Wait 10-15 min. 2. Broadcast media according to desired look. 3. When coat is dry, sand any un- even surfaces. 4. Sweep and vacuum loose media.	260-400 SF/KIT
Broadcast System: Cap Coat Directly Over Broadcast	Part A: any 92 or 85 A Part B: 92 or 85 B	A:B = 1 gal:1 gal	<ul style="list-style-type: none"> flat rigid or flat flexible blade non-shed 3/8" nap roller 	Over Quartz/Sand <ul style="list-style-type: none"> XF-grade: 270-350-230 SF/KIT F-grade: 230-300 SF/KIT Q-grade: 160-230 SF/KIT Over Color Chip <ul style="list-style-type: none"> 1/8": 250-300 SF/KIT 1/4": 300-350 SF/KIT
Broadcast System: Top Coat Directly Over Cap Coat	Part A: any 92 or 85 A Part B: 92 or 85 B	A:B = 1 gal:1 gal	<ul style="list-style-type: none"> flat rigid or flat flexible blade non-shed 3/8" nap roller 	750-850 SF/KIT
Crack & Joint Repair NOTE: Cold/freeze application only (40°F to -20°F).	Part A: any 92 A Part B: 92 B Part Q: quartz	A:B:Q = 1 gal:1 gal:33-46 lbs	<ol style="list-style-type: none"> Trowel into crack/joint. Sprinkle quartz to saturation and smooth with trowel. Allow to dry. Grind smooth. 	600-800 LF/ KIT See Joint & Filler Rates at kretus.com/ project-planning
Metallic Prime Coat	Part A: any 92 A Part B: 92 B Part MP: Metallic Pigment	A:B:MP = 1 gal:1 gal:5-8 oz	<ul style="list-style-type: none"> flat flexible blade non-shed 3/8" nap roller 	400-600 SF/KIT
Metallic Base Coat—no thicker than 16 mils	Part A: any 92 A Part B: 92 B Part MP: Metallic Pigment	A:B:MP = 1 gal:1 gal:8-12 oz	<ul style="list-style-type: none"> 15-20 WFT mil or flat flexible blade non-shed 3/8" nap roller effects: leaf blower, backroll, or solvent spray 	160-200 SF/KIT
Prime Coat	Part A: any 72 A Part B: 72 B Part SC: Solvent Cleaner	A:B:SC = 1 gal:1 gal:1 qt	<ul style="list-style-type: none"> flat flexible or flat rigid blade non-shed 3/8" nap roller 	600-800 SF/KIT
Slurry/Mortar Self-leveler, 1/8"	Part A: any 92 A Part B: 92 B Part Q: quartz	A:B:Q = 1 gal:1 gal:35-40 lbs	<ul style="list-style-type: none"> gauge rake or 1/2" wide x 3/8" depth V-notched squeegee loop and spiked roller 	65-70 SF/KIT
Top Coat, 3-5 mils	Part A: any resin Part B: any hardener	A:B = 1 gal:1 gal	<ul style="list-style-type: none"> flat flexible blade non-shed 3/8" nap roller 	600-800 SF/KIT
Top Coat, 8-12 mils	Part A: any resin Part B: any hardener	A:B = 1 gal:1 gal	<ul style="list-style-type: none"> 8-12 WFT mil blade non-shed 3/8" nap roller 	260-400 SF/KIT
Top Coat with Anti-Slip Texture kretus.com	Part A: any resin Part B: any hardener Part T: AO 220 or AO 120 or Bead 100	A:B:T = 1 gal: 1 gal:16 oz	<ul style="list-style-type: none"> 5-7 WFT mil blade non-shed 3/8" nap roller OR <ul style="list-style-type: none"> dip-and-roll method with non-shed 3/8" nap roller 	450-640 SF/KIT

POLYASPARTIC APPLICATIONS (CONTINUED FROM PAGE 2)

APPLICATION	PRODUCTS	STANDARD KIT MIX RATIO	METHOD / TOOLS	COVERAGE RATE*
Top Coat with Anti-Slip Texture	Part A: any resin Part B: any hardener Part T: AO 80 or 60 or Bead 50 or Tex 50 or Glass 70	A:B:T = 1 gal: 1 gal:20-22 oz	<ul style="list-style-type: none"> 5-7 WFT mil blade non-shed 3/8" nap roller OR <ul style="list-style-type: none"> dip-and-roll method with non-shed 3/8" nap roller 	450-640 SF/KIT
	Part A: any resin Part B: any hardener Part T: AO 36	A:B:T = 1 gal: 1 gal:22-24 oz		
Vertical Coat, Backroll	Part A: 72 EZ Part B: 72 B Part FS: fumed silica	A:B:FS = 1 gal:1 gal:1.5 qt	<ul style="list-style-type: none"> dip-and-roll method with non-shed 3/8" nap roller 	400-450 SF/KIT

AGGREGATES & ADDITIVES

- Find Color Charts for Vinyl Color Chip, Color Quartz, and Poly Colorant at kretus.com/color-charts.

PRODUCT	USE	COVERAGE RATE*	MIX RATIO
Anti-Slip (kretus.com/anti-slip)	Increase impact and skid resistance.	Depends on application	See mix ratios for Top Coat with Anti-Slip Texture.
ESD Additive	Gives top coat ESD properties. See kretus.com/esd .	Depends on application	1 gal per 2-gal kit
Fumed silica	Thickens Polyaspartic.	Depends on application	See mix ratio for Vertical Coat, backroll.
Matting Additive	Gives a low-gloss finish.	Depends on application	2-4 lbs per 2-gal kit
Metallic Pigment	Gives a 3-D reflective look.	Depends on application	See mix ratios for Metallic applications.
Quartz, XF-grade, or Industrial Sand #60	Broadcast over Base Coat to improve slip resistance or provide decorative finish.	0.35-0.75 LB/SF	Do not mix if using as broadcast.
Quartz, F-grade, or Industrial Sand #30	Broadcast over Base Coat to improve slip resistance or provide decorative finish.	0.25-0.50 LB/SF	Do not mix if using as broadcast.
Quartz, Q-grade, or Industrial Sand #20	Broadcast over Base Coat to improve slip resistance or provide decorative finish.	0.25 LB/SF	Do not mix if using as broadcast.
Solvent Cleaner	Reduces viscosity.	Depends on application	See mix ratios in Application table.
Poly Accelerant	Speed working, recoat, and return-to-service times.	Depends on application	8-16 oz per 2-gal kit
Poly Colorant	Pigments Polyaspartic.	Depends on application	See kretus.com/color-charts .
Vinyl Color Chips, 1/8"	Broadcast over Base Coat to improve slip resistance or provide decorative finish.	0.15-0.25 LB/SF	Broadcast only—do not mix into coating.

*Coverage rates are for estimating purposes only. Factors such as waste, unusual/abnormal substrate conditions, and other unforeseen jobsite conditions may affect actual product yields and are the responsibility of the installer.

DISCLAIMER: The information contained in this document is intended for use by KRETUS® qualified and trained professionals. This is not a legally binding document and does not release the specifier from their responsibility to apply materials correctly under the specific conditions of the construction site and the intended results of the construction process. The most current valid standards for testing and installation, acknowledged rules of technology, and KRETUS® technical guidelines must be adhered to at all times. The steps given in this document and other mentioned documents are critical to the success of your project.