



General Overview

URETHANE POLYMER CONCRETE UV

ON-SITE APPLICATION TESTING

To ensure desired results are achieved, test the system in a small area on site before beginning any project.

SURFACE PREPARATION

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

Before installing any KRETUS® product, substrate must be

- **Clean:** Remove any and all contaminants.
- **Profiled:** Mechanically prepare surface to CSP 3-5 (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: Urethane Polymer Concrete tends to pull away from free edges—termination points (anywhere concrete ends), joints, cracks, gutters, drains. Anchor joints may need to be added 6" from termination points. Joints and cracks may need to be expanded to 2x the width and 1x the depth. Edges around drains and gutters may need a deeper slope.

MIXING GUIDE

Review mix ratios and application methods on 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 high-RPM, high-torque mixing drill with Jiffler double-bladed mixer.

Mixing Instructions

- **General:** Continue mixing until all parts are combined. Mix Part A for 15 seconds. Slowly add Part C and mix for 2 minutes, or until texture is uniform. Add Part B and mix for 30 seconds.
- **If adding colorant:** Continue mixing until all parts are combined. Mix Part A and additive for 15 seconds. Slowly add Part C and mix for 2 minutes, or until texture is uniform. Add Part B and mix for 30 seconds. Add Part D and mix for 30 seconds.
- **If adding accelerant, Anti-Slip, quartz, or sand:** Continue mixing until all parts are combined. Mix Part A for 15 seconds. Slowly add Part C and mix for 2 minutes, or until texture is uniform. Add Part B and mix for 30 seconds. Add Part B and additive and mix for 30 seconds.

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 UPC (Urethane Polymer Concrete Product), go to kretus.com/urethane-polymer-concrete.



URETHANE POLYMER CONCRETE APPLICATIONS (IN ALPHABETICAL ORDER)

| APPLICATION | PRODUCTS REQUIRED | STANDARD KIT MIX RATIO | METHOD/TOOLS | COVERAGE RATE* |
|--|--|---|---|---|
| Base Coat / Micro Topping / Overlay, 8-12 mils | Part A: RC/TT Part B: RC AP UV Part C: RC Part D: Poly Accelerant | A:B:C:D = 6 lbs:6 lbs:6 lbs:6 oz | <ul style="list-style-type: none"> 8-12 WFT-mil blade non-shed 3/8" nap roller and loop roller | 190-280 SF/KIT |
| Base Coat / Micro Topping / Overlay, 15-20 mils | Part A: RC/TT Part B: RC AP UV Part C: RC Part D: Poly Accelerant | A:B:C:D = 6 lbs:6 lbs:6 lbs:6 oz | <ul style="list-style-type: none"> 15-20 WFT-mil blade non-shed 3/8" nap roller and loop roller | 120-150 SF/KIT |
| Base Coat/ Micro Topping/ Overlay, 25-30 mils | Part A: RC/TT Part B: RC AP UV Part C: RC Part D: Poly Accelerant | A:B:C:D = 6 lbs:6 lbs:6 lbs:6 oz | <ul style="list-style-type: none"> 25-30 WFT-mil blade non-shed 3/8" nap roller and loop roller | 80-90 SF/KIT |
| Cap or Top Coat over Broadcast NOTE: Do not install over color broadcast. | Part A: RC/TT Part B: RC AP UV Part C: RC Part D: Poly Accelerant | A:B:C:D = 6 lbs:6 lbs:6 lbs:6 oz | <ul style="list-style-type: none"> flat flexible/rigid blade non-shed 3/8" nap roller | Over Quartz <ul style="list-style-type: none"> Q6-grade: 50 SF/KIT Q10-grade: 50-75 SF/KIT Q-grade: 100-150 SF/KIT F-grade: 150-200 SF/KIT XF-grade: 200-250 SF/KIT |
| Crack & Joint Repair NOTE: Prime Coat required before Crack and Joint application. | Part A: RC/TT Part B: RC AP UV Part C: RC Part D: Poly Accelerant Part Q: quartz | A:B:C:D:Q = 6 lbs:6 lbs:6 lbs: 6 oz:10-25 lbs | <ol style="list-style-type: none"> Install RC Prime Coat. While Prime Coat is still wet, trowel filler into crack/joint. Sprinkle quartz to saturation and smooth with trowel. Allow to dry. Grind smooth as needed. | See Joint & Filler Rates at kretus.com/project-planning . |
| Joint Reinforcement or Flexible Membrane | Part A: RC/TT Part B: RC AP UV Part C: RC Part D: Poly Accelerant Fiber mesh | A:B:C:D = 6 lbs:6 lbs:6 lbs:6 oz | <ol style="list-style-type: none"> Follow Crack & Joint Repair. Apply UPC UV with flat flexible blade. Lay mesh into wet material to saturate. Allow to dry. | 200-250 sf/kit |
| Maintenance Coat | Part A: RC/TT Part B: RC AP UV Part C: RC Part D: Poly Accelerant | A:B:C:D = 6 lbs:6 lbs:6 lbs:6 oz | <ul style="list-style-type: none"> 25-30 WFT-mil blade non-shed 3/8" nap roller and loop roller | 80-90 SF/KIT |

| APPLICATION | PRODUCTS REQUIRED | STANDARD KIT MIX RATIO | METHOD/TOOLS | COVERAGE RATE* |
|--|--|---|---|----------------|
| Prime or Top Coat, 5-7 mils | Part A: RC/TT Part B: RC AP UV Part C: RC Part D: Poly Accelerant | A:B:C:D = 6 lbs:6 lbs:6 lbs:6 oz | <ul style="list-style-type: none"> 5-7 WFT-mil blade non-shed 3/8" nap roller | 330-450 SF/KIT |
| Top Coat with Anti-Slip Texture, 8-12 mils | Part A: RC/TT Part B: RC AP UV Part C: RC Part D: Poly Accelerant Part T: Bead 50 or AO 60, or AO 36 | A:B:C:D:T = 6 lbs:6 lbs:6 lbs: 6 oz:24 oz | <ul style="list-style-type: none"> 8-12 WFT-mil blade non-shed 3/8" nap roller | 190-280 SF/KIT |
| Wall Cove Prime & Cap Coat @ 4-6" high | Part A: RC/TT Part B: RC AP UV Part C: RC Part D: Poly Accelerant | A:B:C:D = 6 lbs:6 lbs:6 lbs:6 oz | <ul style="list-style-type: none"> 1"-radius cove trowel brush margin or flat trowel non-shed 3/8" nap roller | 200-250 LF/KIT |

AGGREGATES & ADDITIVES

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

| PRODUCT | USE | COVERAGE RATE* | MIX RATIO (BY VOLUME) |
|--|---|----------------------|--|
| Vinyl Color Chips, 1/8" | Broadcast over Base Coat. | 0.15 LB/SF | n/a |
| Vinyl Color Chips, 1/4" | Broadcast over Base Coat. | 0.15 LB/SF | n/a |
| Quartz, XF-, F-, or Q-grade | Broadcast over Base Coat. | 1 LB/SF | n/a |
| Industrial Sand, #60, #30, #20 | Broadcast over Base Coat. | 1 LB/SF | n/a |
| Urethane Polymer Concrete Colorant | Pigment any UPC application. NOTE: Do not add colorant to Cap or Top Coat if installing over a color broadcast. | Based on application | 4 oz per kit |
| Anti-Slip (kretus.com/anti-slip) | Increase impact and skid resistance. | Based on application | See mix ratio in RC Top Coat with Anti-Slip Texture. |

*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.