General Overview

URETHANE POLYMER CONCRETE

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.
- **NOTE**: Mix UPC products only when they have the same two-letter combination in the product name. For example, combine UPC RC Part C only with UPC RC/TT Part A and UPC RC/TT (AZ, EZ, or FC) Part B.

**Mixing Instructions for UPC RC**
- **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.
- **If adding accelerator, 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 additive and mix for 30 seconds.

**Mixing Instructions for UPC SL, MF, TT, WC, or VC**
- **Continue mixing until all parts are combined and texture is uniform. Mix Part A for 15 seconds. Add Part B and mix for 30 seconds. Slowly add Part C and mix for 2 minutes.**
- **If adding colorant**: Continue mixing until all parts are combined and texture is uniform. Mix Part A and additive for 15 seconds. Add Part B and mix for 30 seconds. Slowly add Part C and mix for 2 minutes.
- **If adding accelerator, Anti-Slip, quartz, or sand**: Continue mixing until all parts are combined and texture is uniform. Mix Part A for 15 seconds. Add Part B and mix for 30 seconds. Slowly add Part C and mix for 2 minutes. Add 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)

<table>
<thead>
<tr>
<th>APPLICATION</th>
<th>PRODUCTS REQUIRED</th>
<th>STANDARD KIT MIX RATIO</th>
<th>METHOD/TOOLS</th>
<th>COVERAGE RATE*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Part B: RC/TT (EZ, AP, or FC)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Part C: RC</td>
<td>A:B:C=6 lbs:6 lbs:42 lbs</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Part Q: quartz</td>
<td>A:B:C=8 lbs:8 lbs:25 lbs:10-25 lbs</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Part A: SL/MF</td>
<td>A:B:C=8 lbs:8 lbs:40 lbs:5-10 lbs</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Part B: SL/MF (EZ, AP, or FC)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Part C: SL</td>
<td>A:B:C=3 lbs:3 lbs:30 lbs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Body or Base Coat, 1/8&quot; MF</td>
<td>Part A: SL/MF</td>
<td>A:B:C=8 lbs:8 lbs:40 lbs</td>
<td>• gauge rake or 1/2&quot;-wide x 3/8&quot;-deep V-notched squeegee • loop and spiked roller</td>
<td>60 SF/KIT</td>
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<td></td>
<td>Part B: SL/MF (EZ, AP, or FC)</td>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Part C: MF</td>
<td>A:B:C=8 lbs:8 lbs:40 lbs</td>
<td>• trowel or gauge rake • loop and spiked roller</td>
<td>35 SF/KIT</td>
</tr>
<tr>
<td>Body or Base Coat, 3/16&quot; MF</td>
<td>Part A: SL/MF</td>
<td>A:B:C=8 lbs:8 lbs:40 lbs</td>
<td>• trowel or gauge rake • loop and spiked roller</td>
<td>25 SF/KIT</td>
</tr>
<tr>
<td></td>
<td>Part B: SL/MF (EZ, AP, or FC)</td>
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<td></td>
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<tr>
<td></td>
<td>Part C: MF</td>
<td>A:B:C=8 lbs:8 lbs:40 lbs</td>
<td>• trowel or gauge rake • loop and spiked roller</td>
<td>25 SF/KIT</td>
</tr>
<tr>
<td>Body or Base Coat, 1/8&quot; SL</td>
<td>Part A: SL/MF</td>
<td>A:B:C=8 lbs:8 lbs:25 lbs</td>
<td>• gauge rake or 1/2&quot;wide x 3/8&quot;-depth V-notched squeegee • loop and spiked roller</td>
<td>50-60 SF/KIT</td>
</tr>
<tr>
<td></td>
<td>Part B: SL/MF (EZ, AP, or FC)</td>
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<td></td>
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<tr>
<td></td>
<td>Part C: SL</td>
<td>A:B:C=8 lbs:8 lbs:25 lbs</td>
<td>• trowel or gauge rake • loop and spiked roller</td>
<td>35-40 SF/KIT</td>
</tr>
<tr>
<td>Body or Base Coat, 3/16&quot; SL</td>
<td>Part A: SL/MF</td>
<td>A:B:C=8 lbs:8 lbs:25 lbs</td>
<td>• trowel or gauge rake • loop and spiked roller</td>
<td>25-30 SF/KIT</td>
</tr>
<tr>
<td></td>
<td>Part B: SL/MF (EZ, AP, or FC)</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Part C: SL</td>
<td>A:B:C=6 lbs:6 lbs:42 lbs</td>
<td>• trowel • loop roller</td>
<td>22-23 SF/KIT</td>
</tr>
</tbody>
</table>
## URETHANE POLYMER CONCRETE APPLICATIONS (CONTINUED)

<table>
<thead>
<tr>
<th>APPLICATION</th>
<th>PRODUCTS REQUIRED</th>
<th>STANDARD KIT MIX RATIO</th>
<th>METHOD/TOOLS</th>
<th>COVERAGE RATE* (SF/KIT)</th>
</tr>
</thead>
</table>
| Body or Base Coat, 3/8" TT | Part A: RC/TT  
Part B: RC/TT (EZ, AP, or FC)  
Part C: TT | A:B:C = 6 lbs:6 lbs:42 lbs | • trowel  
• loop roller | 14-15 SF/KIT |
| Body or Base Coat, 3/4" TT | Part A: RC/TT  
Part B: RC/TT (EZ, AP, or FC)  
Part C: TT | A:B:C = 6 lbs:6 lbs:42 lbs | • trowel  
• loop roller | 10-12 SF/KIT |
| RC Base Coat / Micro Topping / Overlay, 8-12 mils | Part A: RC/TT  
Part B: RC/TT (EZ, AP, or FC)  
Part C: RC | A:B:C = 6 lbs:6 lbs:6 lbs | • 8-12 WFT-mil blade  
• non-shed 3/8" nap roller and loop roller | 190-280 SF/KIT |
| RC Base Coat / Micro Topping / Overlay, 15-20 mils | Part A: RC/TT  
Part B: RC/TT (EZ, AP, or FC)  
Part C: RC | A:B:C = 6 lbs:6 lbs:6 lbs | • 15-20 WFT-mil blade  
• non-shed 3/8" nap roller and loop roller | 120-150 SF/KIT |
| RC Base Coat/ Micro Topping/ Overlay, 25-30 mils | Part A: RC/TT  
Part B: RC/TT (EZ, AP, or FC)  
Part C: RC | A:B:C = 6 lbs:6 lbs:6 lbs | • 25-30 WFT-mil blade  
• non-shed 3/8" nap roller and loop roller | 80-90 SF/KIT |
| RC Cap or Top Coat over Broadcast | Part A: RC/TT  
Part B: RC/TT (EZ, AP, or FC)  
Part C: RC | A:B:C = 6 lbs:6 lbs:6 lbs | • flat flexible/rigid blade  
• non-shed 3/8" nap roller |  |
| NOTE: Do not install over color broadcast | | | | |
| RC Maintenance Coat | Part A: RC/TT  
Part B: RC/TT (EZ, AP, or FC)  
Part C: RC | A:B:C = 6 lbs:6 lbs:6 lbs | • 25-30 WFT-mil blade  
• non-shed 3/8" nap roller and loop roller | 80-90 SF/KIT |
| RC Prime, 5-7 mils | Part A: RC/TT  
Part B: RC/TT (EZ, AP, or FC)  
Part C: RC | A:B:C = 6 lbs:6 lbs:6 lbs | • 5-7 WFT-mil blade  
• non-shed 3/8" nap roller | 330-450 SF/KIT |
| RC Top Coat with Anti-Slip Texture, 8-12 mils | Part A: RC/TT  
Part B: RC/TT (EZ, AP, or FC)  
Part C: RC  
Part T: Bead 50, AO 60, or AO36 | A:B:C:T = 6 lbs:6 lbs:6 lbs:24 oz | • 8-12 WFT-mil blade  
• non-shed 3/8" nap roller | 190-280 SF/KIT |
| Vertical Coat, 3-8 mils | Part A: WC/VC  
Part B: WC/VC (EZ, AP, or FC)  
Part C: VC | A:B:C = 3 lbs:3 lbs:3.5 lbs | • non-shed 3/8" nap roller | 400 SF/KIT |
| Wall Cove Body Coat @ 4" high, 3/16" nominal thickness, 1" radius | Part A: WC/VC  
Part B: WC/VC (EZ, AP, or FC)  
Part C: WC | A:B:C = 3 lbs:3 lbs:30 lbs | • 1"-radius cove trowel  
• brush  
• margin or flat trowel  
• non-shed 3/8" nap roller | 30 LF/KIT |
### AGGREGATES & ADDITIVES

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

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>USE</th>
<th>COVERAGE RATE* (SF/KIT)</th>
<th>MIX RATIO (BY VOLUME)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vinyl Color Chips, 1/8&quot;</td>
<td>Broadcast over any Base Coat.</td>
<td>0.15 LB/SF</td>
<td>n/a</td>
</tr>
<tr>
<td>Vinyl Color Chips, 1/4&quot;</td>
<td>Broadcast over any Base Coat.</td>
<td>0.15 LB/SF</td>
<td>n/a</td>
</tr>
<tr>
<td>Quartz, XF-, F-, or Q-grade</td>
<td>Broadcast over any Base Coat.</td>
<td>1 LB/SF</td>
<td>n/a</td>
</tr>
<tr>
<td>Quartz, Q6- or Q10-grade</td>
<td>Broadcast over SL or MF Base Coats.</td>
<td>1 LB/SF</td>
<td>n/a</td>
</tr>
<tr>
<td>Industrial Sand, #60, #30, #20</td>
<td>Broadcast over Base Coat.</td>
<td>1 LB/SF</td>
<td>n/a</td>
</tr>
</tbody>
</table>
| Poly Accelerant                | Speed working, recoat, and return-to-service times. | Based on application | • 1 oz per kit: TT, VC, or WC  
• 1-2 oz per kit: MF, RC, or SL |
| 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.