



THOUGHTFULLY DESIGNED COATINGS

## General Overview

### POLYURETHANE

#### 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 ([kretus.com/project-planning](https://kretus.com/project-planning)).

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 the System Action Guideline located at the end of the appropriate Installation Guide.

Review the Mixing Station Guide available at [kretus.com/project-planning](https://kretus.com/project-planning) 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 ensure a controlled and thorough chemical transition to a high-strength solid.

- **Mixing drill:** Use a low-RPM, low-torque drill and Jiffler-style double-bladed mixer.
- **NOTE:** Only mix Polyurethane Parts A and B if the product names have the same two-letter combination: HP with HP; HS with HS.
- **Pre-mix liquid components** before combining them to ensure the coating is uniform. Use a different mixing tool for each component to avoid cross-contamination.

#### Mixing Instructions

Combine all parts as directed and mix thoroughly. Keep the coating well-mixed during the application.

- **General:** Mix Part A and B for 2 minutes or until uniform.
- **Adding Metallic pigment:** Add additive to Part A and mix for 2 minutes or until uniform. Allow color to set for 20 minutes to 24 hours before combining with Part B. Add Part B and mix for 2 minutes or until uniform.
- **Adding Poly Colorant:** Mix Part A and additive for 2 minutes or until uniform. Add Part B and mix for 2 minutes or until uniform.
- **Adding accelerant, decelerate, Solvent Cleaner, or Anti-Slip:** Mix Part A and Part B for 2 minutes or until uniform. Add additive and mix for 1 minute or until uniform.



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## SAFETY AND 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 Polyurethane, go to [kretus.com/polyurethane](http://kretus.com/polyurethane).

## POLYURETHANE HP GLOSS APPLICATIONS (IN ALPHABETICAL ORDER)

APPLICATION	PRODUCTS REQUIRED	SINGLE KIT MIX RATIO	METHOD/TOOLS	COVERAGE RATE*
<b>Top Coat, 3-5 mils</b>  Note: Kretus generally recommends applying top coats with Anti-Slip texture.	<ul style="list-style-type: none"><li>• Part A: HP Gloss</li><li>• Part B: HP B</li></ul>	A:B = 1 qt:1 gal	<ul style="list-style-type: none"><li>• dip and roll method with 3/8" non-shed nap roller</li></ul>	400 SF/gal
<b>Top Coat, 5 mils</b>	<ul style="list-style-type: none"><li>• Part A: HP Gloss</li><li>• Part B: HP B</li></ul>	A:B = 1 qt:1 gal	<ul style="list-style-type: none"><li>• 5-7 WFT-mil blade</li><li>• 3/8" non-shed nap roller</li></ul>	320 SF/gal
<b>Top Coat with Anti-Slip Texture, 3-5 mils</b>	<ul style="list-style-type: none"><li>• Part A: HP Gloss</li><li>• Part B: HP B</li><li>• Part T: Anti-Slip</li></ul>	A:B:T = 1 qt:1 gal: See note Note: Check Anti-Slip Guide for Anti-Slip mix ratio.	<ul style="list-style-type: none"><li>• dip-and-roll method with 3/8" non-shed nap roller</li></ul>	400 SF/gal
<b>Top Coat with Anti-Slip Texture, 5 mils</b>	<ul style="list-style-type: none"><li>• Part A: HP Gloss</li><li>• Part B: HP B</li><li>• Part T: Anti-Slip</li></ul>	A:B:T = 1 qt:1 gal: See note Note: Check Anti-Slip Guide for Anti-Slip mix ratio.	<ul style="list-style-type: none"><li>• 5-7 WFT-mil blade</li><li>• 3/8" non-shed nap roller</li></ul>	320 SF/gal

## POLYURETHANE HP SATIN APPLICATIONS (IN ALPHABETICAL ORDER)

APPLICATION	PRODUCTS REQUIRED	SINGLE KIT MIX RATIO	METHOD/TOOLS	COVERAGE RATE*
<b>Top Coat, 3-5 mils</b>  Note: Kretus generally recommends applying top coats with Anti-Slip texture.	<ul style="list-style-type: none"><li>• Part A: HP Satin</li><li>• Part B: HP B</li></ul>	A:B = 1/2 gal:1 gal	<ul style="list-style-type: none"><li>• dip and roll method with 3/8" non-shed nap roller</li></ul>	400 SF/gal
<b>Top Coat, 5 mils</b>	<ul style="list-style-type: none"><li>• Part A: HP Satin</li><li>• Part B: HP B</li></ul>	A:B = 1/2 gal:1 gal	<ul style="list-style-type: none"><li>• 5-7 WFT-mil blade</li><li>• 3/8" non-shed nap roller</li></ul>	320 SF/gal
<b>Top Coat with Anti-Slip Texture, 3-5 mils</b>	<ul style="list-style-type: none"><li>• Part A: HP Satin</li><li>• Part B: HP B</li><li>• Part T: Anti-Slip</li></ul>	A:B:T = 1/2 gal:1 gal: See note Note: Check Anti-Slip Guide for Anti-Slip mix ratio.	<ul style="list-style-type: none"><li>• dip-and-roll method with 3/8" non-shed nap roller</li></ul>	400 SF/gal
<b>Top Coat with Anti-Slip Texture, 5 mils</b>	<ul style="list-style-type: none"><li>• Part A: HP Satin</li><li>• Part B: HP B</li><li>• Part T: Anti-Slip</li></ul>	A:B:T = 1/2 gal:1 gal: See note Note: Check Anti-Slip Guide for Anti-Slip mix ratio.	<ul style="list-style-type: none"><li>• 5-7 WFT-mil blade</li><li>• 3/8" non-shed nap roller</li></ul>	320 SF/gal



## POLYURETHANE HS APPLICATIONS (IN ALPHABETICAL ORDER)

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APPLICATION	PRODUCTS REQUIRED	SINGLE KIT MIX RATIO	METHOD/TOOLS	COVERAGE RATE*
<b>Base Coat, 8-12 mils</b>	<ul style="list-style-type: none"> <li>Part A: HS EZ or HS FC</li> <li>Part B: HS B</li> </ul>	A:B = 1 gal:1/2 gal	<ul style="list-style-type: none"> <li>8-12 WFT-mil blade</li> <li>3/8" non-shed nap roller</li> </ul>	150 SF/gal
<b>Base Coat, 15-20 mils</b>	<ul style="list-style-type: none"> <li>Part A: HS EZ or HS FC</li> <li>Part B: HS B</li> </ul>	A:B = 1 gal:1/2 gal	<ul style="list-style-type: none"> <li>15-20 WFT-mil blade</li> <li>3/8" non-shed nap roller</li> </ul>	100 SF/gal
<b>Base Coat (Metallic), 15-20 mils</b>	<ul style="list-style-type: none"> <li>Part A: HS EZ or HS FC</li> <li>Part B: HS B</li> <li>Part MP: Metallic pigment</li> </ul>	A:B:MP = 1 gal:1/2 gal Note: Check <b>Metallic Color Chart</b> for Metallic pigment mix ratio.	<ul style="list-style-type: none"> <li>15-20 WFT-mil blade</li> <li>3/8" non-shed nap roller</li> <li>effects: leaf blower, back roll, or spray with denatured alcohol/mineral spirits/solvent</li> </ul>	100 SF/gal
<b>Cap Coat, over 1/4" color chip</b>	<ul style="list-style-type: none"> <li>Part A: HS EZ or HS FC</li> <li>Part B: HS B</li> </ul>	A:B = 1 gal:1/2 gal	<ul style="list-style-type: none"> <li>flat rigid or flat flexible blade</li> <li>3/8" non-shed nap roller</li> </ul>	150 SF/gal

## BROADCASTS, AGGREGATES, & ADDITIVES (IN ALPHABETICAL ORDER)

PRODUCT	USE	COVERAGE RATE*	MIX RATIO
<b>KRETUS® Anti-Slip</b>	Increase impact and skid resistance.	Depends on application	Check Anti-Slip Guide for mix ratio ( <a href="http://kretus.com/anti-slip">kretus.com/anti-slip</a> ).
<b>KRETUS® Metallic pigment</b>	Gives Polyurethane HS a 3-D, reflective look. NOTE: Use only with Polyurethane HS EZ.	Depends on application	Check Metallic Color Chart for mix ratio ( <a href="http://kretus.com/color-charts">kretus.com/color-charts</a> ).
<b>KRETUS® Poly Colorant</b>	Pigments Polyurethane.	Depends on application	Check Poly Colorant Color Chart for mix ratio ( <a href="http://kretus.com/color-charts">kretus.com/color-charts</a> ).

\*Coverage rates are shown for single standard kits and are for estimating purposes only. Factors such as waste, unusual/abnormal substrate conditions, and other unforeseen job site 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, as well as 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.