



THOUGHTFULLY DESIGNED CONCRETE COATINGS

General Overview

WB EPOXY

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 Checklist.

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. 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 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 use a low-RPM, low-torque drill and jiffy double-bladed mixer.

MIXING INSTRUCTIONS

- Combine and mix Part A and B for 2 minutes. If Part A is pigmented, mix Part A until color is consistent before combining with Part B.
- If adding fumed silica or Matting Additive: Mix Part A and additive for 1-2 minutes or until consistency is uniform. Add Part B and mix for 2 minutes. Total mixing time = 2-3 minutes.
- If adding Metallic Pigment: Add additive to Part A and mix for 1-2 minutes or until color is uniform. 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 Colorant: Mix Part A and additive for 1-2 minutes or until color is uniform. Add Part B and mix for 1-2 minutes. Total mixing time = 2-3 minutes.
- If adding quartz, sand, or Anti-Slip: Mix Part A and Part B for 1-2 minutes. Add additive and mix for 1 minute. Total mixing time = 2-3 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 WB Epoxy, go to kretus.com/wb-epoxy.



WB EPOXY APPLICATIONS (ALPHABETICAL ORDER)

- WBE = WB EPOXY
- T = Texture (e.g., Anti-Slip, quartz, sand)

APPLICATION	PRODUCTS	STANDARD KIT MIX RATIO	METHOD/TOOLS	COVERAGE RATE SF PER STANDARD KIT
Broadcast System: Base Coat Directly Under Broadcast	Part A: WBE Part A Part B: WBE Part B	A:B = 1 gal:1 qt	Work in 200-500 sf increments: 1. Apply epoxy with 8-12 WFT mil blade. 2. Wait 10-15 min. 3. Broadcast media according to desired look. 4. When coat is dry, sand any uneven surfaces. 5. Sweep and vacuum loose media.	175-250
Broadcast System: Cap Coat Directly Over Broadcast	Part A: WBE Part A Part B: WBE Part B	A:B = 1 gal:1 qt	<ul style="list-style-type: none"> • flat rigid or flat flexible blade • 3/8" nap roller 	Over Quartz/Sand <ul style="list-style-type: none"> • XF-grade: 170-220 • F-grade: 140-190 • Q-grade: 100-140 Over Color Chip <ul style="list-style-type: none"> • 1/8": 160-190 • 1/4": 190-220
Prime Coat	Part A: WBE Part A Part B: WBE Part B	A:B = 1 gal:1 qt	<ul style="list-style-type: none"> • flat flexible or flat rigid blade • 3/8" nap roller 	375-500
Top Coat	Part A: WBE Part A Part B: WBE Part B	A:B = 1 gal:1 qt	<ul style="list-style-type: none"> • flat flexible or 5-7 WFT mil blade • 3/8" nap roller 	375-500
Top Coat with texture	Part A: WBE Part A Part B: WBE Part B Part T: AO 220, AO 120, or Bead 100	A:B:T = 1 gal:1 qt:8 oz	<ul style="list-style-type: none"> • 5-7 WFT mil blade • 3/8" nap roller OR • dip-and-roll method with 3/8" nap roller 	285-400
	Part A: WBE Part A Part B: WBE Part B Part T: AO 80	A:B:T = 1 gal:1 qt:8-10 oz		
	Part A: WBE Part A Part B: WBE Part B Part T: Bead 50, Glass 70, or Tex 50	A:B:T = 1 gal:1 qt:10 oz		
Vertical Coat (Back Roll)	Part A: WBE Part A Part B: WBE Part B Part FS: fumed silica	A:B:FS = 1 gal:1 qt:1.5-2 qt	<ul style="list-style-type: none"> • dip-and-roll method with 3/8" nap roller 	250-280
Vertical Coat (Spray)	Part A: WBE Part A Part B: WBE Part B Part W (optional): water	A:B:W = 1 gal:1 qt:1/4-1 gal	HVLP Paint Sprayer <ul style="list-style-type: none"> • gun setup: 1.7 mm or equivalent • air cap: 5-15 psi conventional • gun: 45-55 psi 	410-500



ADDITIVES AND AGGREGATES

Find Color Charts for Color Chip and Color Quartz at kretus.com/color-charts.

PRODUCT	MIX RATIO	USE	COVERAGE RATE
Anti-Slip (kretus.com/anti-slip)	See table above.	Increase impact and skid resistance.	See table above.
Fumed Silica	1.5-2 qts per 1.25-gal kit	Thickens epoxy, Used only for back-roll vertical application.	250-280 SF/KIT
Matting Additive	1-4 lbs. per 1.25-gal kit	Gives epoxy a low-gloss finish.	Rates based on application method.
Water	See tables above.	Lowers viscosity and extends spread rate.	Rates based on application method.
Quartz, XF-grade, or Industrial Sand #60	Do not mix if using as broadcast.	Broadcast over Base Coat to improve slip resistance or provide decorative finish.	0.35-0.75 LB/SF
Quartz, F-grade, or Industrial Sand #30	Do not mix if using as broadcast.	Broadcast over Base Coat to improve slip resistance or provide decorative finish.	0.25 LB/SF
Quartz, Q-grade, or Industrial Sand #20	Do not mix if using as broadcast.	Broadcast over Base Coat to improve slip resistance or provide decorative finish.	0.25 LB/SF
Vinyl Color Chips, 1/8"	Do not mix into coating. Broadcast only.	Broadcast over Base Coat to improve slip resistance or provide decorative finish.	0.15-25 LB/SF
Vinyl Color Chips, 1/4"	Do not mix into coating. Broadcast only.	Broadcast over Base Coat to improve slip resistance or provide decorative finish.	0.10-0.15 LB/SF

All 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, 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.