



## WB EPOXY

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### Get Tough Jobs Won

KRETUS® WB EPOXY is an economical, user-friendly, two-component, water-based system. This product is an excellent primer for use under thin-mil coatings and performs well as an interior sealer.

#### ADVANTAGES

- Meets USDA, FDA, EPA, and SCAQMD Standards
- Eligible for LEED Points: Made in California from Partially Recycled Materials
- Adhesion to Concrete, Wood, Metal, Non-glazed Tiles
- Antibacterial
- Can Be Applied at or Above 40°F
- Low Maintenance
- Low Odor
- Waterproofing

#### SUGGESTED USES AND APPLICATION AREAS

- Economical Primer
- High Foot Traffic Areas
- Vertical Surfaces
- Industrial, Healthcare, Commercial, Government, Institutional, and Residential

#### KRETUS® SYSTEMS

- Color Splash

For all KRETUS® systems, see [kretus.com/systems](https://kretus.com/systems).

#### FINISH AND COLOR

- Gloss
- Clear or Opaque When Pigmented

See [kretus.com/color-charts](https://kretus.com/color-charts).

#### PRECAUTIONS AND LIMITATIONS

- **UV Resistance:** Coating will amber over time. If color stability is important, use UV-stable coatings including Urethane Polymer Concrete RC UV, Polyurethane, or Polyaspartic. See [kretus.com/products](https://kretus.com/products).
- **Prime Coat:** A prime coat may be required when stem walls are highly absorbent, if outgassing is suspected or prevalent, or if concrete is very porous or in poor condition. All concrete repairs must be completed before installing any system.
- DO NOT let material puddle on floor. This may cause white spots to appear when coating cures.
- Complete samples and onsite mockups to ensure desired results are achieved.
- At higher or increasing temperatures, material cures more slowly. It also becomes more viscous and will require more effort to install.
- **Application temperatures:** When temperatures increase or humidity decreases, material cures faster. Material cures slower when temperatures decrease or humidity increases.
- Pigments or colorants may affect working times, reduce chemical resistance, or increase potential for stain.

- Application times are based on test results compiled by lab technicians in a controlled setting. All times recorded using 1-quart samples.
- If application temperatures are outside of those recommended, contact your KRETUS® Technical Representative.
- 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.
- Apply material when temperature is decreasing—adhere to the KRETUS® Dew Point Calculation Chart available at [kretus.com/project-planning](http://kretus.com/project-planning). DO NOT apply under direct sunlight. DO NOT install under inclement weather conditions.

## COMPONENTS

### Standard Kit

- Part A: WB Epoxy Part A, 1 gal
- Part B: WB Epoxy Part B, 1 qt

### Bulk Kit

- Part A: WB Epoxy Part A, 4 gal
- Part B: WB Epoxy Part B, 1 gal

Larger kits may be available through KRETUS® distributor.

## SAFETY, TESTING, AND WARRANTY

- **Safety:** Personal protective equipment and safety conditions must be considered before using any product. Review all relevant and current documentation including Safety Data Sheets ([kretus.com/safety-data-sheets](http://kretus.com/safety-data-sheets)).
- **Testing:** Before installation: Test and look for any unknown site conditions and/or defects. To ensure desired results are achieved, the system should be tested in a small area on site before full installation begins.
- **Warranty:** For warranty to be upheld, Pre- and Post-Job Checklists ([kretus.com/project-planning](http://kretus.com/project-planning)) must be completed.

## STORAGE AND APPLICATION TEMPERATURES

Ideal Storage Environment	Dry, Out of Direct Sunlight, 60-80°F
Material Temperature During Application	50-70°F and 5°F Above Dew Point
Minimum Substrate Temperature During Application	5°F Above Dew Point
Recommended Application Temperature	40-100°F, <90% RH (Relative Humidity)

## Average Application Time

Ambient Temperature	40-100°F, <90% RH	50°F, 50 % RH	70°F, 50 % RH	100°F, 50 % RH
Working Time	30 mins	40 min	30 min	15 min
Recoat Window	2-24 hrs.	4-24 hrs.	2-24 hrs.	1-12 hrs.
Return to Service (Foot Traffic)	16 hrs.	24 hrs.	16 hrs.	16 hrs.
Full Cure (Vehicle Traffic)	7 days	7 days	7 days	7 days

## SURFACE PREPARATION

Before installing any coating, the substrate must be sound, meaning all necessary repairs have been completed. It must be clean, dry, and free of any contaminants, moisture, materials, or particles that may hinder material's adhesion to the substrate. If applying directly over concrete, the substrate must be mechanically profiled to ICRI CSP 3. Different projects may require a different CSP. Contact your KRETUS® Technical Representative. Adhere to International Concrete Repair Institute current standards.

## MIXING AND APPLICATION

Standard Kit Mix Ratio	4 A:1 B
Mixing Drill	low-RPM, low-torque drill with Jiffy double-bladed mixer
Mixing Directions	Combine Part B with Part A and mix for 2 minutes or until color and consistency are uniform.

## Coverage Rates

Prime/Top Coat	300-400 SF/GAL
Base Coat, 8-12 mils	140-200 SF/GAL
Cap Coat Over Color Chip, 1/4"	150-175 SF/GAL
Cap Coat Over Quartz/Sand, F-grade/30 mesh mils	110-150 SF/GAL
Top Coat with 50/50 blend of Anti-Slip Bead 50/Bead 100	230-320 SF/GAL
Vertical Coat (back roll)	200-225 SF/GAL

Premeasure components to make sure you are using the correct mix ratio. Combine components according to mix instructions. Continue mixing until the coating's consistency is uniform. The coating must remain thoroughly mixed during the application.

Keep a wet edge while applying product. Wear spiked shoes when walking on material. For more applications and coverage rates, see KRETUS® General Overview ([kretus.com/product-general-overviews](http://kretus.com/product-general-overviews)).

## PROPERTIES WHEN FULLY CURED

PROPERTIES	TEST METHOD	TYPICAL VALUES
Abrasion Resistance	ASTM D4060	40 mg loss
Abrasion Resistance with Anti-Slip	ASTM D4060	24-30 mg loss
Adhesion Strength	ASTM D4541	400 psi, concrete failure
Adhesion Strength	ASTM D4541	400 psi, vinyl failure
Adhesion Strength	ASTM D4541	500 psi, natural quartz failure
Adhesion Strength	ASTM D4541	450 psi, color quartz failure
Compressive Strength	ASTM D695	>9,000 psi
Flame Spread/ Critical Flux	ASTM E648	Class 1
Flame Spread/ Rate of Burning	ASTM D635	Self-extinguishing
Hardness (Shore D)	ASTM D2240	75-80
Impact Resistance	ASTM D2794	120 in-lbs..
Indoor Air Quality	CA 01350	Compliant
Microbial Resistance	ASTM G21	Passes, 0 growth
Moisture Vapor Permeance	ASTM E96	0.1 perms
UV Resistance	ASTM D4587	Level 1
Water Absorption	ASTM D570	<0.05%

To ensure desired results are achieved, products should be tested on site before installation.

**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 always be adhered to. The steps given in this document and other mentioned documents are critical to the success of your project.