



## WB CONDUCTIVE PRIMER

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### Take Control of Static

**KRETUS® WB CONDUCTIVE PRIMER** is a low VOC (<50 g/L), 2-component, water-based epoxy system. Designed as part of the KRETUS® STATIC CONTROL SYSTEMS ([kretus.com/esd](https://kretus.com/esd)), it helps to protect workers, equipment, and processes by meeting ANSI/ESD S20.20 requirements.

#### ADVANTAGES

- Meets ANSI/ESD S20.20
- Meets USDA, FDA, and SCAQMD requirements
- Part of a High-Build Static Conductive System
- Anti-bacterial
- Easy to Apply
- Eligible for LEED Points
- Low Odor
- Waterproofing

#### PRECAUTIONS AND LIMITATIONS

- An ESD top coat is required for material to achieve desired ESD properties. Material was designed as part of the KRETUS® STATIC CONTROL SYSTEM ([kretus.com/esd](https://kretus.com/esd)).
- At lower or dropping temperatures, material cures more slowly, becomes more viscous, and requires more effort to install. Higher or increasing temperatures reduce working time. 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.

#### COMPONENTS

##### Standard Kit

- WB Epoxy Conductive Primer, Part A, 1 gal
- WB Epoxy, Part B, 1-quart container
- may be diluted with up to 1 qt water

##### Bulk Kit

- WB Conductive Primer, Part A, 4 gal
- WB Epoxy, Part B, 1 gal
- May be diluted with up to 1 gal water

#### SAFETY

Review current Safety Data Sheet(s) at [kretus.com/safety-data-sheets](https://kretus.com/safety-data-sheets) and all relevant documentation before installation. Safety conditions and personal protective equipment must be considered before using any KRETUS® product.

#### TESTING AND WARRANTY

Before you begin installation, review Pre- and Post-Job Checklists available at [kretus.com/project-planning](https://kretus.com/project-planning). 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 beginning installation.

#### 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 min	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

WB CONDUCTIVE PRIMER is designed to be installed over a base coat or a sand broadcast. Before installing, the substrate must be sound, meaning all necessary concrete repairs have been completed, and it must be clean, dry, and free of any contaminants, moisture, materials, or particles that may hinder material's adhesion to concrete.

## MIXING AND APPLICATION

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

### Coverage Rates per Standard Kit

Conductive Primer	233 SF/gal
Conductive Primer as Cap Coat (over sand)	90 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](https://kretus.com/product-general-overviews)).

## PROPERTIES OF FULLY CURED COATING

PROPERTIES	TEST METHOD	TYPICAL VALUES
Body Voltage Generation	ANSI STM97.2, with footwear	<15 volts
Conductive Before Top Coat	ANSI S7.1	10 <sup>0</sup> –10 <sup>3</sup> ohms
Conductive After Top Coat	ANSI S7.1	>10 <sup>4</sup> and <10 <sup>6</sup> ohms
Adhesion Strength	ASTM D4541	400 psi, concrete failure
Adhesion Strength	ASTM D4541	500 psi, natural quartz failure
Compressive Strength	ASTM D695	>9,000 psi
Tensile Strength	ASTM D2370	3,250 psi
Tensile Elongation at Break	ASTM D2370	10%
Impact Resistance	ASTM D2794	120 in-lbs.
Water Absorption	ASTM D570	<0.05%
Hardness (Shore D)	ASTM D2240	75-80
Indoor Air Quality	CA 01350	Compliant
Microbial Resistance	ASTM G21	Passes, 0 growth

Flame Spread/Critical Flux	ASTM E648	Class 1
Flame Spread/Rate of Burning	ASTM D635	Self-extinguishing

**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.