

## DESCRIPTION

Ecocrete WB Epoxy Coating is a two component, water-based, clear, resilient, chemical resistant epoxy floor coating. WB Epoxy has superior penetration, adhesion, and cleanability. It is self-priming with a fast cure time and designed for compatibility over 'green' and high moisture concrete substrates.

## TYPICAL USES

- Interior applications
- Automotive facilities
- Light manufacturing areas
- Can be used as a top coat or primer
- Retail spaces

## TECHNICAL DATA

Solids by Weight.....	78%
Flexibility ASTM D-222.....	Passes 3/16"
Abrasion Resistance ASTM D-4060 (1,000 Cycles) CS17 Wheel.....	133 mg loss
Impact Resistance ASTM D-2794 (direct) .....	Passes >160 in/lb
Thermal Shock ASTM D-1211 .....	Good
Pencil Hardness ASTM D-3363 .....	6H
VOC Content .....	0 g/l

## STORAGE & INSTALLATION @ 75°F

Storage Environment .....	Dry area, 40-85°F
Application Temperature, ambient .....	50-95°F
Application Temperature, material .....	50-70°F
Application Temperature, substrate .....	Minimum 5°F above dew point
Pot Life .....	~ 2 hours
Shelf Life .....	1 year
Dry Time for Recoat .....	4 – 6 hours
Dry Time for Light Foot Traffic .....	8-10 hours

Material cures more slowly at cooler temperatures and working time will be substantially reduced at higher temperatures. The optimum temperature for installation of this product is 65-85°F. Contact Ecocrete Coatings if temperatures are outside this range. At lower temperatures, the material will be more viscous and difficult to move, requiring more effort to install it. At elevated temperatures, the material will cure more quickly, so applicator will need to work accordingly.

## CHEMICAL & STAIN RESISTANT CHART (ASTM D-1308 24HR IMMERSION)

Coffee .....	No Effect	Methanol .....	Loss of gloss
Motor Oil .....	No Effect	10% Sodium Hydroxide .....	No Effect
Gasoline .....	No Effect	10% Sulphuric Acid .....	Swelling
Windex .....	No Effect	10% Acetic Acid .....	Destroyed
Formula 409 .....	No Effect	10% Hydrochloric Acid .....	Swelling

## CONSIDERATIONS & LIMITATIONS

- 1) Prepare substrate according to 'Surface Preparation' section of this document.
- 2) May reflect moving cracks and control joints.
- 3) Recoat window is 24-36 hours.
- 4) If using as a primer, concrete substrate should be professionally tested with calcium chloride for moisture vapor emission and transmission to determine hydrostatic pressure prior to the installation of any polymer flooring system. If test are above 10lbs x 1,000 sq ft x 24/hr substrate must be primed with Ecocrete Moisture Barrier Primer.
- 5) Perform relative humidity test using in situ probes, ASTM F2170. Proceed with installation only after substrates have a maximum 75% relative humidity level measurement.
- 6) It is recommended to use a non-slip additive for all wet areas. It is the end users' responsibility to determine amount of non-slip needed for their environment.
- 7) Always use protective clothing, gloves, and goggles consistent with OSHA regulations during use. Avoid eye and skin contact. Do not ingest or inhale. Refer to Safety Data Sheet for detailed safety precautions.
- 8) For industrial/commercial use. Installation by trained personnel only.

# WB EPOXY COATING

## TECHNICAL DATA SHEET & APPLICATION INSTRUCTIONS

## WATER-BASED EPOXY CLEAR COATING

### BENEFITS

- Fast drying
- Durable & Chemical Resistant
- Superior penetration & adhesion
- Excellent cleanability
- Long pot life
- Self-priming
- Zero VOC content
- Low cost moisture tolerant primer
- Qualifies for LEED projects

### TYPICAL APPLICATION

- Two Coats – Ecocrete WB Epoxy Coating @ 5 wet mils per coat

### PACKAGING & COVERAGE

- 1 Gallon Cans (1 Gallon Kit)
- 5 Gallon Pails (15 Gallon Kit)
- 320 ft<sup>2</sup>/gal @ 5 wet mils

## 🌱 SURFACE PREPARATION

### When used as a primer:

- The surface must be clean and sound, free from dirt, oil, grease, and any other contaminants that may inhibit bond.
- Shot blasting and/or diamond grinding is recommended to a CSP-2 or CSP-3.
- All surface irregularities, cracks, expansion joints, and control joints should be properly addressed prior to application. See Crack Repair.

### When used as a top coat:

- The surface must be clean and sound, free from dirt, oil, grease, and any other contaminants that may inhibit bond.
- After recoat window has passed, surface must be sanded, vacuumed, and solvent wiped with acetone to allow proper adhesion for recoat.

**Crack Repair:** Route out cracks with diamond crack chaser and vacuum clean. Prime with Epoxy Primer neat and then thicken the Epoxy Primer with Epoxy Thickener to create a peanut butter consistency and fill crack pulling flush with putty knife or leave slightly high and allow to cure. Then grind smooth for best results. *(This method is for under pigmented coating systems, not for exposed exterior applications.) [Refer to Epoxy Thickener TDS for further details.]*

Note: Substitute Epoxy Primer for MBP if using MBP due to MVE or MVT.

Refer to Ecocrete's Surface Preparation Guidelines for detailed instructions available at [www.ecocretecoatings.com](http://www.ecocretecoatings.com).

## 🌱 MIXING & APPLICATION STEPS

### • MIX RATIO: 2A : 1B (by volume)

- 1) Pre-mix each component separately prior to mixing together; cleaning the mixing paddle before switching products to not cross contaminate.
- 2) Mix Part A with Part B for 3 minutes, scraping the sides and bottom of mixing container, with a power drill and mixing paddle.
- 3) After mixing, pour material out in an even row on substrate. Use a chip brush to cut in and/or a squeegee to spread material uniformly at the proper mil thickness across the floor. Back roll material using a 3/8" nap roller to a uniform appearance.
- 4) Once dry for recoat, if using a non-slip additive for wet areas, broadcast evenly across floor to the desired non-slip texture needed.
- 5) Repeat steps 1-3 to apply a second coat.
- 6) Allow to cure.

### Notes:

- Wear spiked shoes while spreading material so you can walk on material to back roll.
- Keep a wet edge while applying.
- Material will go down white in color and dry clear. Avoid puddling and thick applications, as these areas may remain white.

## 🌱 CARE & MAINTENANCE

Refer to Ecocrete's Care & Maintenance Guidelines available at [www.ecocretecoatings.com](http://www.ecocretecoatings.com).

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