

WB EPOXY

2K Water Based Epoxy Primer (Low Odor)

Product Description

WB Epoxy is a specially formulated, low odor, two component, water based epoxy primer for interior use. This product provides excellent substrate penetration and is a suitable primer for most epoxies, urethanes, polyureas and polyaspartic polyureas.

Benefits & Features

- Excellent substrate wetting and penetration
- Superior adhesion strength for a bond coat
- Fast cure system with reduced recoat times
- Low odor

Recommended Applications

WB Epoxy is recommended for priming properly prepared concrete or masonry surfaces in commercial, retail, and high traffic areas. Excellent for wall and floor coatings, institutional coatings and heavy duty maintenance coatings.

Technical Information

Abrasion Resistance (Tabler Index, ASTM 4060-81, CS-17 Abrasion Wheel, 1000 gram load)	54-65 mg loss	Mix Ratio (a/b volume) **9.07# part A (1.0 gallon approx.) to 8.54# part B (1 gallon approx.)	1 to 1
Gloss 60	86	Coverage (2-3 mils)	200-300 sq.ft./gal.
Flexibility (1/8" Mandrel)	Pass	Viscosity	200-350 cps
Pencil Hardness (7 Days)	F	Pot Life	1 - 1.5 hours
Water Resistance	Excellent	Dry Time - Set to Touch	20-40 minutes
Solids % Weight (Federal Spec. TTP-141B)	40%	Dry Time - Optimal Recoat	4-6 hours
Density lbs/Ga. (Federal Spec. TTP-141B)	8.54	Maximum Recoat	18 hours
VOC	<20 grams per liter	Dry Time - Light Traffic	6-12 hours
		Dry Time - Full Cure (heavy traffic)	2-5 days

***Please note that low air and/or concrete temperatures and/or relative humidity may extend drying times. Follow recommended coverage rates for best results.

Chemical Resistance

Chemical spot resistance 1 hour and 18 hour exposure

	<u>1 hr</u>	<u>18 hr</u>
Toluene	+	+
Ethanol	+	+
Sulfuric Acid (10%)	+	+
Acetic Acid (3%)	+	+
Acetic Acid (10%)	H/B	B

+ = no change; H = Haze; B = blisters

Food stain resistance 18 hour exposure

	<u>18 hr</u>
Coffee	No Change
Ketchup	No Change
Mustard	No Change
Red Wine	Slight Stain

Approximate Coverage Rates

Store product in an area so as to bring the material to room temperature within the recommended application temperature range before applying. Long term storage should be between 60 and 90 degrees F. Keep from freezing.

Shelf Life

WB Epoxy has a shelf life of at least one year in it's original, sealed, unopened container.

Packaging

WB Epoxy is packaged in 2 gallon and 10 gallon kit.

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Instructions for Use

Surface Preparation: For a thin film build system (3-10 mils) we suggest either mechanical scarification, or diamond grinding until an approximate profile is accomplished. For a high build system (10 mils), we suggest a fine brush blast (shot blast). To ensure adequate adhesion, the substrate must be free of all dirt, oil, dust, laitance and foreign contaminants. Prior to application a test should be made to determine that the concrete has an acceptable vapor barrier. This can be done by placing a 4'x4' plastic sheet on the substrate and completely taping down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate does not show signs of eventual hydrostatic pressure problems that may later cause loss of adhesion. However, WB Epoxy can be applied to a damp floor as long as there are no standing puddles and the dampness is not from a continuous source of moisture due to lack of a vapor barrier. Adhesion tests are recommended prior to using.

Mixing: Pour a full pre-packaged kit of 1 part of Part A to 1 part of Part B together and mix well with slow speed mixing equipment such as a jiffy mixer until the material is thoroughly mixed and homogenous. Water based two part systems need to be mixed well for adequate cure and a streak free finish.

Product Application: Apply the mixed material by brush or roller with a 1/4" nap—3/8" nap shedless roller cover within the usable pot life time frame, as well as the recommended temperature and relative humidity guidelines listed in the Technical Information section. If continuous outgassing in the concrete is causing bubbles, re-roll the material using a cross rolling method before the material cures to reduce or eliminate air entrapment. If the material becomes thick while applying and sticking to the roller, stop applying and discard the mixed material. At this point it has reached the end of the usable pot life. While applying keep a wet edge to prevent roller marks. It is recommended to work in sections usually using control joints as dividers to ensure proper application results. Do not allow to puddle! If recoating after 18 hours a light sanding using a fine sanding screen may be needed to ensure adequate inner coat adhesion.

Please Note: Applying WB Epoxy outside of the suggested parameters may result in job failure. It is always recommended to test the product in a small, inconspicuous area (on the same concrete substrate) for desired results prior to application. Coverage rates may vary for all coatings and substrates depending on porosity, density, texture, etc.

Clean-Up

Use PM Solvent. Dispose of containers in accordance with local and federal regulations.

Product Removal

Dried, cured urethane may be removed with a commercial stripper, but recommended removal is by way of mechanical means, including sanding, shot blasting, etc.

Precautions & Limitations

- All new concrete must be cured for at least 28 days prior to application.
- Coverage rates depend upon many conditions including application method, surface porosity, applicator, etc.
- WB Epoxy should be applied in thin coats. Do not puddle.
- Be aware that this product may be slippery when wet. Anti slip additives may be needed to reduce surface slip hazards.
- WB Epoxy may darken the surface of many new and existing concrete substrates. Test prior to use.
- Product will yellow in the presence of UV light or other forms of light such as sodium vapor lighting.
- Physical properties listed on this technical data sheet are typical values not specifications.

**If applying over an existing coating, proper adhesion and compatibility tests are essential. In this application the substrate preparation, application, performance and all other liabilities are strictly the end users responsibility. Deco-Crete Supply Inc. offers no guaranty, warranty, or other claims to the success or results of the job in this circumstance.

Special Notes

Please consult Safety Data Sheet (SDS) and read warranty information prior to use. This information can be requested by contacting customer service at 330-682-5678.

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