



WB Epoxy Color Data Sheet

Part # WBE-CO

DESCRIPTION: Concrete Solutions® WB Epoxy Color is a two component waterborne epoxy used in a variety of applications. It has a long pot life of 3 hours and is usually tack free within 1 – 2 hours. Due to the water permeability and moisture insensitive properties of WB Epoxy Color, it can be applied over damp surfaces, although all standing water should be removed and the top surface allowed to dry. Moisture vapor testing of the surface is recommended before applying WB Epoxy Color.

TYPICAL USES:

- **As a sealer** - WB Epoxy Color is used as a cost effective topcoat sealer for concrete floors and walls providing a durable, easy to clean surface and is also used as an economical sealer on residential and commercial garage floors, warehouse floors, parking garages, commercial kitchens and bathrooms, hospital floors and many other applications. Apply two coats of WB Epoxy Color at 300 – 400 sq. ft. per gallon each coat.
- **As an intermediate coat** - For broadcasting Concrete Solutions Color Flakes, after Concrete Solutions Epoxy 200 is used as a primer, WB Epoxy Color can be used as an intermediate coat to broadcast flakes into, especially on interior color flake applications where a low odor system is required. For applications that need UV stability, Concrete Solutions Urethanes are recommended. (See the Color Flake/Quartz Application Instructions with step by step pictures for more information.)

FEATURES & BENEFITS:

- Long working time of 3 hours and quick dry to touch
- Can be applied by roller, brush, squeegee or airless spray
- Can be applied over damp surfaces
- Easy to use
- Economical coating
- Light odor system

CHEMICAL PROPERTIES*:

Test	Result
Specific Weight, lb/gal	9.0 (Part A - resin) : 13.0 (Part B - hardener)
Mixed Viscosity, cps	2400 – 2900
Solids by Volume	78.7%
Volatile Organic Compounds**	0.63 lb/gal (75 g/l)
Mix Ratio by Volume	1A (resin) : 1B (hardener)
Pot Life	3 hrs
Recoat, min / max	4 – 6 hrs / 18 – 24 hrs
Tack-free	1 – 2 hrs
Walk on Time (light foot traffic)	8 – 10 hrs (dependent on temp. & humidity)
Return to Service Time (vehicle traffic)	72 hrs
Full Cure	7 days
Coverage Rate per Gallon	300 – 400 sqft at 2 – 3 mils DFT
Recommended Temperature Application	≥50°F (10°C)
Odor	mild
Color	standard colors, black and white
Shelf Life - Unopened Containers	12 months

*Properties were tested at 77°F (25°C).

TYPICAL PHYSICAL PROPERTIES*:

Test	Result
Adhesion -Crosshatch	ASTM D-3359 5
Hardness: -pencil (7 days)	ASTM D-3363 H
Direct Impact Resistance (lbs)	ASTM D-2794 60
Reverse Impact Resistance (lbs)	ASTM D-2794 20
Mandrel Bend, 1/4 inch mandrel	ASTM D-522 Pass
60° Gloss	90

*Properties were checked on dry films at 5 – 6 mils thick, air dried for 7 days.

MOISTURE VAPOR TESTING: All concrete floors not poured over a proper moisture barrier, are subject to possible moisture vapor transmission or hydrostatic pressure problems which can cause a coating system to blister or fail. Before applying a coating system over a concrete floor which is on-grade or below grade, the

CONCRETE SOLUTIONS® WB EPOXY COLOR (continued):

customer should be informed of this potential problem and given the option to have a qualified moisture testing company perform calcium chloride test to give the proper recommendations.

SURFACE PREPARATION: The surface must be clean and sound, free from oil, dirt, waxes and any other contaminants that may interfere with bonding. Some surface preparation methods include shot-blasting and scrubbing with detergent or acid washing, neutralizing and rinsing. Existing coating materials should be removed, or if in good condition sanded with 80 – 100 grit sandpaper, to lightly scratch and dull the surface. Going over existing coatings is up to the discretion of the applicator. It is not recommended to apply over concrete with curing or sealing membranes. (See Concrete Solutions Training Manual for more detailed information on Surface Preparation.)

MIXING INSTRUCTIONS: The mixing ratio of WB Epoxy Color is 1 part A (resin) to 1 part B (hardener) except for black which is 4 parts A (resin) to 1 part B (hardener). Mix each component separately. Check the batch number on Part B (hardener) containers. If the batch numbers are not all the same, then mix all containers of Part B together prior to achieve a uniform color. Mix part A and B together (only the amount that can be used within 2 hours) using a low speed drill motor and mixing paddle for 3 – 5 minutes scraping the sides and bottom of the container. If desired, water can be added up to 25% when going over uncoated surfaces or 10% when going over previously coated surfaces. Once water is added, mix again for 1– 2 minutes. **IMPORTANT: Allow the mixed material to sit for 10 – 15 minutes induction time prior to application. DO NOT use mixed material beyond 3 hours from the mixing time even though the WB Epoxy Color appears unchanged.**

APPLICATION INSTRUCTIONS: WB Epoxy Color can be applied by roller, brush or squeegee. When using a squeegee it is best to follow immediately behind with a 1/4" – 3/8" nap paint roller to even out any squeegee marks. Keep a wet edge and do not roll into an area once it has begun to set up to avoid color differences. Apply thin to achieve a coverage rate of approximately 300 – 400 sq. ft. per gallon. Allow to dry 4 – 6 hours before applying a second coat. The second coat should be undiluted to achieve the best results. WB Epoxy Color may also be applied with airless spray equipment. When spraying, mask off walls and surrounding areas with plastic to avoid over spray. Have adequate ventilation and wear the proper respirator.

NOT RECOMMENDED FOR:

- Do not apply to concrete less than 28 days old.
- Do not apply to concrete with curing or sealing membrane.
- Do not apply to base concrete at a temperature less than 50°F.

CHEMICAL RESISTANCE: Concrete Solutions WB Epoxy has good resistance to motor oil, gasoline and transmission fluid. Brake fluid can cause slight softening but usually recovers if removed quickly. Concrete Solutions recommends each client conduct their own specific test to determine suitability of this or any other product for their particular application.

COLOR OPTIONS: 6 standard colors: adobe tan, concrete gray, dark gray, light gray, medium gray, mohave sand, black and white. Limited custom colors are available by special order.

HOW SUPPLIED: WB Epoxy Color coating is available in 2 gallon and 10 gallon kits. Black is supplied in 1.25 gallon and 5 gallon kits. Limited custom colors are available by special order.

STORAGE: ≥50°F (10°C). Do not let freeze.

SLIP/FALL PRECAUTIONS: Concrete Solutions recommends using slip resistant granules in all outdoor applications where the WB Epoxy will be used as a topcoat sealer and on indoor applications that may be exposed to water, oil or other spills that may cause a slippery environment. Aluminum oxide granules #80 grit or courser may be broadcast into the prime coat to achieve the amount of slip resistance desired. It is the end user's responsibility to determine the suitability of a coating for their particular application. Concrete Solutions or its sales people will not be responsible for injury incurred in a slip/fall accident.

SAFETY PRECAUTIONS: Health Considerations: Consult the Rhino Linings® Safety Data Sheets (SDS)

Chemical systems require the use of proper safety equipment and procedures. Please follow the Rhino Linings® product SDS and Safety Manual for detailed information and handling guidelines.

For Your Protection: The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions made concerning the products and their uses, applications, storage and handling are only the opinion of Rhino Linings Corporation. Users should conduct their own tests to determine the suitability of these products for their own particular purposes and of the storage and handling methods herein suggested. The toxicity and risk characteristics of products made by Rhino Linings Corporation will necessarily differ from the toxicity and risk characteristics developed when such products are used with other materials during a manufacturing process. The resulting risk characteristics should be determined and made known to ultimate end-users and processors.

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