

DESCRIPTION: Ultra Surface WB Epoxy 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 it can be applied over damp surfaces, although all standing water should be removed and the top surface allowed to dry. WB Epoxy is available in clear or 8 standard colors.

Moisture vapor testing of the surface is recommended before applying WB Epoxy to check for possible hydrostatic pressure or moisture vapor problems from below the surface. These types of problems are rare but can cause blistering or delamination if the moisture vapor levels are too high. Concrete Solutions, Inc. does not warranty against moisture related failures.

TYPICAL USES: WB Epoxy is used as an economical, chemical resistant primer/sealer on residential and commercial garage floors, warehouse floors, parking garages, commercial kitchens and bathrooms, food preparation room floors, hospital floors and many other applications. It is used as an economical sealer for dust proofing concrete floors and walls and to provide a durable, easy to clean, chemical resistant surface.

SURFACE PREPARATION: The surface must be clean and sound, free from oil, dirt, waxes and any other contaminants that may interfere with bonding. Some methods include shot-blasting or scrubbing with detergent, acid washing, neutralizing and rinsing. Existing coating materials should be removed, or if in good condition sanded with a floor polisher machine with a sandpaper attachment and 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 Ultra Surface Products Manual Section 2 for more detailed information on Surface Preparation.]

MIXING INSTRUCTIONS: WB Epoxy is a two component material available in clear and colors. The clear version is mixed 4 parts A [resin] to 1 part B [hardener]. The color version is mixed 1 part A [resin] to 1 part B [hardener].

WB Epoxy CLEAR mixing ratio = [4A:1B]

WB Epoxy COLOR mixing ratio = [1A:1B]

Mix only the amount that can be used within 3 hours. Mix part A and B together using a low speed drill motor and mixing paddle. When using the colored version, mix the color (Part B) before adding it to Part A. Also, when using colors, check the batch number on each pail to be sure each pail of color is from the same batch. If not, mix all the color parts together prior to mixing with Part A to achieve a uniform color.

ULTRA SURFACE WB EPOXY

Technical Information

Properties of WB Epoxy Clear

Mixing Ratio	4A to 1B
Coverage Rate	300-400 sq. ft./gal
Solids Content	42%
Pot Life	3 hours
Dry to Touch (70 degrees)	2-4 hours
Mixed Viscosity cps	400
Walk-on time	4-6 hours
60 Gloss	90
VOC	1.3 Lb/gal
Hardness	H

Properties of WB Epoxy Color

Mixing Ratio	1A to 1B
Coverage Rate	300-400 sq. ft./gal
Solids Content	41%
Pot Life	3 hours
Dry to Touch (70 degrees)	2-4 hours
Mixed Viscosity cps	300
Walk-on time	4-6 hours
60 Gloss	90
VOC	2.0 Lb/gal
Hardness	H

Chemical Resistance

Chemical resistance of Ultra Surface WB Epoxy is excellent against most solvents, acids and alcohols. It also 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.

Health Hazards - Use with adequate ventilation, wear gloves to avoid contact with skin, use the proper cartridge type respirator in confined areas. Read Material Safety Data Sheet prior to use.

Application Temperature - 55 degrees F or above.

MIXING INSTRUCTIONS CONTINUED: Once part A and B have been combined together, mix them thoroughly for 3 - 5 minutes scraping the sides and bottom of the container. After mixing allow the WB Epoxy to sit for 10-15 minutes to have a chance to chemically react, then if desired, water can be added up to 25% when going over uncoated surfaces or 10% when going over previously coated surfaces. Once the water is added, mix again for 1-2 minutes then apply using a 1/4-3/8 nap paint roller or airless sprayer.

IMPORTANT: DO NOT use mixed material beyond 3 hours from the mixing time even though the WB Epoxy appears unchanged. After mixing part A and B, allow 10-15 minutes induction time before adding water or prior to use.

APPLICATION INSTRUCTIONS: WB Epoxy can be applied by roller, brush, squeegee or airless spray. 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. 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. When using colored WB Epoxy, keep a wet edge and do not roll into an area once it has begun to set up to avoid color differences. When spraying, mask off walls and surrounding areas with plastic to avoid over spray. Have adequate ventilation and wear the proper respirator.

POPULAR APPLICATION SYSTEMS USING ULTRA SURFACE WB EPOXY

As a Primer or Sealer (and before applying Spray-Top)- Ultra Surface WB Epoxy is often used as a primer before applying Ultra Surface Epoxy or Urethane applications and before applying Ultra Surface Spray-Top over sealed stamped concrete applications. Once the WB Epoxy cures for 4-6 hours (in warmer temperatures of 65 degrees or above), apply the topcoat epoxy, urethane or spray-top system desired. **Important: Apply Spray-Top over WB Epoxy between 4-6 hours of curing to achieve the best bond.** See the Spray-Top Technical Data Sheet for more detailed application instructions.

For acid staining applications it is not recommended to apply Spray-Top directly over WB Epoxy or small blisters may appear, especially where the acid stain is allowed to puddle. For the best results when acid staining, apply Spray-Top over Ultra Surface Resurfacer or a Squeegee/Bond Coat of Ultra Surface Polymer Concrete. If the surface has an existing sealer, it should be stripped or WB Epoxy clear may work as a primer over the sealer before applying the Resurfacer and Spray-Top. Over smooth surfaces sand the sealer using 80-100 grit sandpaper before applying WB Epoxy clear and do a bond test. Going over existing sealers with WB Epoxy is at the applicators own risk. Concrete Solutions recommends removing the sealer whenever possible. See the Spray-Top technical data sheet under acid staining for more information.

As a Base Coat Material for Broadcasting Ultra Surface Color Flakes - After Ultra Surface 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 garages and applications exposed to the sun, it is best to use Epoxy 200 as a prime coat and SB or HP Urethane color as the color flake broadcasting material. [See the Color Flake Application Instruction booklet with step by step pictures for more information.]

As a Primer over Wood Decks Before Applying a Waterproofing System - Wood decks that don't need metal lath should be sealed with WB Epoxy clear prior to applying an Ultra Surface Elastomeric Basecoat and Fabric Waterproofing System. While the WB Epoxy is still wet, sprinkle some #60 silica sand over it to achieve a medium broadcast. Apply the Elastomeric Basecoat and fabric over the WB Epoxy when dry to touch, within 4-6 hours. See the Elastomeric Basecoat Technical Data Sheet for more information on waterproofing wood decks.

SLIP RESISTANCE: WB Epoxy when applied smooth, together with other coatings, can become slippery when wet. It is up to the end user to determine the suitability of these coatings for their particular application. Slip resistant granules such as #80 or coarser Aluminum Oxide granules can be broadcast into the wet WB Epoxy and other materials to provide whatever degree of slip resistance is necessary. Concrete Solutions or its sales agents will not be responsible for injury incurred in a slip fall situation.