

## WATERBORNE ALIPHATIC POLYESTER POLYURETHANE SEALER

### Description

SuperGlaze™ WBU is a clear, water-based formulation of 100% non-yellowing urethane polymers designed specifically for heavy-use areas that require a durable initial high gloss, superior abrasion characteristics, and UV resistance.

SuperGlaze™ WBU can be applied as a single component material, resulting in a durable finish, suitable for most residential settings. However, for improved overall performance, durability, chemical resistance and abrasion resistance characteristics, addition of QZ-43 Acrylic Cross-Linker is highly recommended.

### WHERE TO USE

- Any pre-primed concrete surface
- Ideal for residential or commercial acid stain applications and acrylic overlays
- Any area requiring high gloss and durability
- **Not recommended for vehicular traffic**

### ADVANTAGES

- Excellent Working Time
- Single or dual component
- Excellent moisture resistance
- Quick drying for fast turnarounds or reseals

### TECHNICAL DATA

<b>COLOR</b>	Clear, Slightly Cloudy
<b>VISCOSITY</b>	20-50cps
<b>SOLIDS</b>	28% (by weight)
<b>VOC</b>	279 g/l
<b>WEIGHT/GAL</b>	8.65
<b>PH</b>	7.0±0.5
<b>GLOSS, 60%</b>	91

### POT LIFE

Single Component	Indefinite, when sealed
Dual Component	24 hours or less*

\*Shelf life is not affected by addition of QZ-43 Acrylic Cross-Linker. If application time exceeds 24 hours after addition, add cross-linker again for cross-linked properties.

<b>CONSISTENCY</b>	Slightly thicker than water
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### TACK-FREE TIME

Substrate temperature 73°F	15-20 minutes
Substrate temperature 90°F (Not Recommended)	Less than 15 minutes

### TENSILE PROPERTIES, TEST ASTM D412

Tensile Strength (Instron tester. Samples pulled at 2"/min)	6.600 PSI
Elongation at break	225%

### HARDNESS, TEST ASTM D2134

Sward 1 wk	36
Taber	20mg loss (CS-17 Wheel)

### PACKAGING

SuperGlaze™ WBU is available in one-gallon (3.8 L) and five-gallon (18.925 L) containers.

### COVERAGE

SuperGlaze™ WBU will cover approximately 300 to 400 square feet per gallon, depending upon porosity of the surface.

### STORAGE



Store in a safe place. Keep containers tightly sealed. DO NOT allow product to freeze. Material that is frozen CANNOT be used when thawed. Seal container tightly after use.

### GENERAL REQUIREMENTS AND RECOMMENDATIONS

Water borne materials are much more susceptible to premature drying if applied in direct heat, or in the presence of extreme air movement. For this reason, keep material in a cool area before and during application.

Also, if application temperatures exceed 75-80°F, it is recommended that the substrate temperature be reduced by a light misting of water and allowed to dry completely, or rescheduled for the following morning when ambient temperatures are lower. (Bare concrete applications only; Acrylic overlays are permissible at higher temperatures for the first coat only.) Failure to observe temperature requirements can result in premature drying evidenced by visible roller marks and/or bubbling.

### MOISTURE TESTING

SuperGlaze™ WBU is a non-breathable material, and can delaminate from excessive hydrostatic pressure, or moisture vapor transmission. Prior to initial preparation, it is recommended that several squares of plastic sheeting (minimum 12"x12", 24"x24" is recommended) be taped to the surface for 24-48 hours. Make sure the seal is tight, with no holes or breaks in the tape.

After this time, remove plastic sheeting and inspect the underside for the presence of moisture droplets. Also observe the overall color of the concrete substrate. If moisture droplets are present, or the substrate has darkened significantly, contact Technical Support for directions to obtain and perform further moisture testing prior to any step of the application, including acid staining, or surface preparation.

### BARE CONCRETE APPLICATIONS

Like all urethane materials, SuperGlaze™ WBU is not designed for direct application to concrete. If applied to a concrete surface, surface must be primed with another product such as SuperSeal™ 20WB, or a 100% solids epoxy product such as Shield 50™/UV Shield™. The substrate must be clean and sound and free from any and all debris. For colored thin film applications, etch the surface by applying a mixture of 1 gallon muriatic acid to 4 gallons water (4:1 Ratio); for extremely dense or "tight" power-troweled surfaces, adjust ratio to 3:1 for a stronger etching of the surface.

Mix acid solution in a plastic container and pour directly onto the surface. Move around with a medium bristle broom. A good reaction is visible through a "fizzing" action upon contact with the concrete. When this fizzing is no longer visible, subsequent solutions can be made and

### BARE CONCRETE APPLICATIONS (Continued)

applied as necessary until the entire surface has been etched. After applying the acid solution, mix and apply a 10:1 ratio of water and clear ammonia to neutralize any remaining acid.

### CAUTION

ALWAYS ADD ACID TO WATER, NOT WATER TO ACID TO PREVENT SPLASHING OF ACID. POUR ACID SLOWLY AND CAREFULLY.

Surface must be washed thoroughly with high pressure water to remove residue. Use a pressure washer with a minimum of 3000 psi @ 3.0 gpm. Allow the surface to dry completely, overnight if possible. Surface must be absolutely dry prior to application. If necessary, evacuate larger puddles using a leaf blower.

### MATERIAL MIXING AND APPLICATION

SuperGlaze™ WBU can be applied as a single- or dual-component material. However, unlike many dual-component materials, addition of the acrylic cross-linker does not shorten its pot life, but does dramatically improve the properties of the material. For use as a single component, simply use the material directly from the container. Follow the application recommendations below.

For use as a dual-component material, add 4 oz. per gallon of the QZ-43 Acrylic Cross-Linker and mix slowly for 2-3 minutes. Do not mix at high speed to avoid entraining large amounts of bubbles that can affect the overall finish.

### NOTE

If more than 24 hours has passed since the cross-linker was added, the remaining material is still perfectly usable. Simply add the correct percentage based on your new volume. This will initiate the cross-linking process again.

For best results, apply SuperGlaze™ WBU with a high quality, lint-free 3/8" nap roller. Apply at a rate of 300-400 ft<sup>2</sup> per gallon. For best results, apply generously to a small area and roll to even out. Do not roll randomly in many directions. Methodically and evenly roll material back and forth in the same direction. Do not overwork the material. Once an area is evenly covered, leave it alone. As with all water-borne products, SuperGlaze™ WBU will dry fairly quickly. For this reason, do not roll an area that has been applied more than 10 minutes or so. To do so can result in roller marks or bubbles that will not dissipate upon drying.



## WARRANTY

This product is not intended for public use and is intended for use by licensed contractors and installers, experienced and trained in the use of these products. It is warranted to be of uniform quality, within manufacturing tolerances. The manufacturer has no control over the use of this product, therefore, no warranty, expressed or implied, is or can be

made either as to the effects or results of such use. In any case, the manufacturer's obligations shall be limited to refunding the purchase price or replacing material proven defective. The end user shall be responsible for determining product's suitability and assumes all risks and liability.

## PLAN SPECIFICATION

### SuperGlaze™ WBU Suggested Short Form Specification:

All concrete flatwork designated as being sealed in the plans and specifications shall be primed with SuperSeal™ 20WB and then sealed with 1-2 light even coats of SuperGlaze™ WBU, at the rate of approximately 300 to 400 square feet per gallon, manufactured by CCI 800-443-2871, Layton, UT. SuperGlaze™ WBU shall be applied in accordance with the SuperGlaze™ WBU Technical Information Sheet.

## ORDER SPECIFICATION

Product: SuperGlaze™ WBU		
Shipping Weight: 8 lbs (3.63 kg)	Container Size: 1-Gallon (3.79 L)	Item No: SGWBU-1
Shipping Weight: 40 lbs (18 kg)	Container Size: 5-Gallon (18.925 L)	Item No: SGWBU-5

Product: QZ-43 Acrylic Cross-Linker		
Shipping Weight: 2 lbs	Container Size: 20-oz (591.47 mL)	Item No: QZ43

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