

Clear Seal WB Topcoat Sealer

Installation Guide

PRODUCT DESCRIPTION

CLEAR SEAL WB is a 100% acrylic, self cross-linking, nano-polymer clear-sealer formulated for use over concrete, polymer modified toppings, and decking surfaces to seal and protect the substrate from water, staining, and abrasion. CLEAR SEAL WB exceeds the performance of conventional waterborne acrylics and urethane dispersions through its proprietary crosslinking chemistry. The crosslinking occurs after application during the drying process, and produces a tighter, stronger film that shows increased resistance to blocking, water-spotting, water blushing, staining, and wear. This increased performance makes the product ideal for use in the protection of horizontal substrates such as flooring, decking and concrete.

RECOMMENDED COVERAGE RATES

**Sold in 5 Gallon Bulk Kit*

150 -300 SF/gal

SUBSTRATE REQUIREMENTS

Concrete Priming

Concrete shall be structurally sound and stable. Concrete shall be free of dust, dirt, grease, contamination, surface laitance, and other potential bond-breaking substances that could impair adhesion. Concrete may need to be mechanically profiled and prepared by shot-blasting, grinding, or other means of scarification. All cracks, gouges, and other surface defects need to be addressed prior to coating installation. Substrate and ambient temperatures must be above 50°F (10°C) during installation. Relative humidity should not exceed 65% during installation of the coatings. Environmental conditions must not be near the dew point during installation of the coatings. Moisture vapor emission must be < 3lbs/24hr/1000 ft².

Other Substrates VBP does not recommend Clear Seal WB to be used over substrates other than concrete or cementitious overlays manufactured by VBP. If going over non concrete surfaces you must do a mockup sample to test it on actual material and understand that it is being done at “your own risk”

If moisture vapor emission is higher, contact a Versatile Building Products representative for an alternative coating system.

ADVICE BEFORE INSTALLATION

Cure time is affected by environmental conditions. Do not force dry. High humidity and/or low temperatures can cause haziness and blushing in the coating. Material has an open pot-life being a Single Component Product.

Hot Weather Tips

Keep the material core temperature around 50-75o F if possible. *icing the buckets hours before doing job or placing in a cool environment the day before application can help lower the core temperature.*

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If instructions are not followed, excessive heat may cause outgassing, foaming, and hazing of WB where it has been applied too thick or where material settles into joints, etc. as well as tacking up a lot quicker to reduce the effects of outgassing (vapor coming out of the substrate), install when the temperature is dropping from the highest temperature of the day.

Cold Weather Tips

WB will have higher viscosity or may gel up in very cold conditions. Keep the material core temperature around 50-75o F if possible. Using a pail warmer hours before doing the job or placing in a warm environment the day before application can help increase the core temperature which will make the material thinner and easier to work with. If instructions are not followed, materials may get thicker during mixing, and may lead to foaming and hazing of WB where it has been applied too thick (avoid puddling in low spots) or where material settles into joints.

INSTALLATION STEPS

1. Surface Preparation

There are many methods of surface preparation for various substrates many of which are adequate for this application consult a Versatile representative for alternatives to the procedure outlined below and methods of correcting problematic and contaminated substrates.

Concrete-

All concrete shall be clean and bare. Concrete shall be structurally sound and stable. Concrete shall be free of dust, dirt, grease contamination. Surface laitance and other potential upon breaking substances that could impair adhesion. All crack's gouges and other surface defects need to be addressed prior to coating installation. Substrate and Ambient temperatures must be above 35°F during the installation of coatings. Relative humidity should not exceed 65% during the installation of the coating. Environmental conditions must be near the dewpoint during the installation of coatings. Moisture Vapor Transmission of the substrate must not exceed 3 lbs per 1000 ft.² per 24 hours. For high MVT substrates consult with the Versatile representative for recommendation.

If the Concrete allows water to penetrate, then proceed to clean the surface with the V-100 Degreaser Cleaner using liberal amounts of oil stains and scrub until the water until no longer water beads up on on it

If the Concrete is not porous, does not dark and when wet it must be mechanically profiled and prepared by shotblasting grinding water jetting or other means of scarification to reduce a concrete surface profile CSP between two and four according to international concrete repair institute ICRI guideline number 03732

2. Preparation

- Shut off all sources of ignition prior to work, and throughout the Installation process.
- Supply auxiliary ventilation as necessary to produce a safe working environment.

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- Use a NIOSH approved respirator capable of filtering organic vapors
- Because WB has such high gloss, be sure to remove dust from areas during application.

3. Mixing

- Materials should be at room temperature 50 to 75°F.
- Mix WB Single Component as is for 2 to 3 minutes using a jiffy type Mixing Blade at no less than 700 rpm.
- Transfer mixed material to a second Mixing Versatile and mix an additional minute to ensure that material along the sides of the first mixing vessel are properly incorporated into the mixture be sure to mix thoroughly.
- Use a Brush, Lint Free Roller or Pump Sprayer for application. Swiffer's or Lamb Wool Applicator can be used as well.

*** Caution: If you are not familiar with the product. Its is a single Component Material used as is out of the Bucket. These Products are moisture sensitive. Do not apply when inclement weather is forecast within the next 24 Hrs. Do not apply too thick as the product will haze out on you.***

**** Product goes down Milky White and dries crystal clear ****

4. Application

Spray Application.

- After mixing pour product into the Pump Sprayer and using a Fine misting Tip apply a nice even coat over the entire surface.
- Back Roll the entire surface to promote a consistent overage brushing out any Joints or Texture in Surface removing any excess build up. Very Important.

Roller and or Brush Application.

- Using a Cutting Pot brush the edges or perimeter of the Concrete. Do not let this dry before rolling the main part of the floor. Keep a wet Edge.
- Pour a nice even consistent 4-5" wide ribbon across the floor surface.
- Use a 3/8" Nap Lint Free Roller to spread WB out evenly so the entire surface is coated evenly.
- Pour out additional ribbons on the surface as needed and make sure to keep a "Wet Edge" at all time including when cutting in along the edges.
- Walk back into the wet floor on spiked shoes to disperse any heave puddles of materials that are pooling.
- Keep a firm pressure on the Roller as you do not want to apply the product too thick when spreading.
- Once WB is spread out evenly back roll the entire surface, keeping spread rate at 150-300 SF/gal. This

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will even out the coverage and sheen across.

* Caution: If applied too thick (less than 150 SF/gal), foaming or blushing on the surface may occur. If back-rolled too late or over rolled as the product is setting or tacky, it may cause micro bubbles in the coating due to the coating setting up and becoming too thick to release bubbles caused by excessive rolling.

5. Clean-up

- Immediately cleanup splatter marks and tools with Water. Clean hands and exposed skin with mild soap and water, and/or citrus based hand-cleaner.

5. Cure Times

- WB can typically accept light foot traffic in 1-2 Hrs.
- Re-coat within 1-2 Hrs. or just after the product has dried but within 24 Hrs. Apply in the opposite direction as the initial application.
- Vehicular traffic with pneumatic tires in 72 hours.
- Full cure occurs in 5-7 days.

ADDITIONAL CAUTIONS AND RECOMENDATIONS

- This is a Water Based product which is Non-Flammable but out of Precaution we recommend turning off any source of Ignition.
- Do not apply at less than 100 SF per gal or excessive moisture entrapment may occur in wet film which may cause hazing.
- Do not force dry.
- Mask all areas that need protection especially from any Over Spraying.
- Always wear protective clothing and equipment as required by OSHA and as necessary.
- Have all personnel who come in contact with liquids read The Versatile EPOXY, URETHANE, AND POLYASPARTIC 2K SAFETY GUIDE and Material Safety Data Sheets before commencing work.
- Store material at 50-75o F
- DO NOT USE torch or flame after applying these products.

TECHNICAL SERVICES

- Technical services can be obtained by contacting Versatile directly at 714-829-2600.