

WB PLUS

WATER BASED ACRYLIC SEALER

QUICK FACTS

PRODUCT NAME	WB PLUS	
PACKAGING	1-GALLON 5-GALLON 55-GALLON	
COVERAGE	Approximately 180-200 ft ² per gal	
VOC CONTENT	<50 g/L	
SHELF LIFE	Under normal moisture free conditions, 12 months for an unopened container	
MANUFACTURER PART #	SKU #	/ 33 lb. (15 kg) Pail

DESCRIPTION

WB PLUS is a 30% solids, water based, low VOC (<50 g/L), strong binding, clear gloss acrylic sealer for overlays and cement-based products. WB PLUS is formulated with a hybrid, self-cross linking, acrylic resin with built-in water repellency that offers tenacious penetration and adhesion. It contains no wax or silicone additives. The coating is chemically resistant, durable, does not blush, maintains long solids retention and is easy to clean. WB PLUS is non-flammable and a safer choice for the environment.

SURFACE PREP

The principles for surface preparation for **WB PLUS** are aligned with other coating systems for cement based overlays and products, the substrate must be:

- 1. Clean:** The surface must be free of dust, dirt, oil, grease, paints, glues, non- acrylic sealers, curing agents, efflorescence, chemical contaminants, rust, algae, mildew and other foreign matter that may serve as a bond breaker.
- 2. Cured:** Cement-based overlays typically cure sufficiently overnight (refer to the TDS). Other cement-based products may require up to 28 days depending on temperatures & humidity.

3. Sound: No system should be placed on cement based overlay that is flaking or spalling; substrate must be sound. If the surface is delaminating, then diamond grinding, shot blasting, or other mechanical means should be used to remove the delaminating areas.

4. Profiled: Customarily cement based overlays do not require profiling. For other cement-based products proper profile should follow the standard established by the International Concrete Repair Institute (ICRI) Technical Guideline no. 03732 for Concrete Surface Profile (CSP). The established profile is categorized as CSP-1.

To properly profile some cement-based products (especially exterior applications) use a pressure washer equipped with a turbo-tip and a multi-



purpose cleaner, degreaser and etcher. Some substrates may require more aggressive profiling through diamond grinding or shot blasting.

Recoats

WB PLUS may serve as an excellent choice to reseal or refresh an existing decorative concrete project. The surface should be cleaned with a multi-purpose cleaner, degreaser and etcher.

- a) Any old, loose and flaky sealer that is still present must be removed.
- Chemically: use a commercial stripper
 - Mechanically: diamond grinding or shot blasting

b) This product should only recoat an existing solvent based acrylic. Determine a substrate's unknown existing sealer by placing a paper towel saturated with xylene over a small area. Cover the towel with plastic and allow it to remain in place for 15 minutes. Solvent based acrylic may feel slippery to the touch, but water based acrylic turns into a slimy mess that can be scraped off easily.

c) Before recoating, prepare on-site a small test area on the intended substrate to establish compatibility of solvents and avoid blistering and delamination.

d) Recoat applications may be complete with a single coat, always evaluate surface to see if a second coat is needed. Best performance is achieved through thin coat(s).

APPLICATION

Planning

1. Provide for ventilation so that vapors do not accumulate if spraying product.
2. Select appropriate PPE (personal protection equipment). Use of a NIOSH approved respirator

may be required in confined area or if spraying. Refer to SDS.

Mask all areas requiring protection.

Temperature / weather

1. Avoid application on extremely cold or hot days or during wet, foggy weather.
2. Apply with ambient and surface temperatures ranging above 50°F (10°C) and below 90°F (32°C) and that will remain within ranges for at least 24 hours following application.
3. Do not apply outside if precipitation is forecast within 24 hours of application.
4. Substrate must be dry throughout all steps.

Mixing

Mechanically mix with "Jiffy" style mixer blade for 3 minutes at medium speed, ensuring complete dispersal of pigments. Use caution not to entrain air during mixing.

First coat

1. Utilize a bucket grid to apply in a thin film.
2. Roller covers require a solvent resistant core.
3. The correct nap size varies due to texture. For example $\frac{3}{4}$ " is recommended for heavy textured. Do not allow puddling.
4. Exercise care to eliminate roller tracks through back rolling.

Airless Spraying

1. Airless sprayer should be capable of a minimum .5 gpm discharge.
2. Tip size should be approximately .015" - .019" with 65° fan.
3. For horizontal surface utilize an 8" - 10" extension.
4. Maintain a wet edge between passes.

Pump-up Sprayer

1. Select professional quality sprayer.
2. Select fan or cone tip as preferred that can pass 30% solids product.
3. Have sufficient tips on hand to allow clean-up that will not interrupt application.
4. If required, backroll sprayed area to lay product flat.

When first coat is able to be walked on, it may receive a second coat. Customarily two thin coats achieve best performance.

Second Coat

Applies identical to first coat.

Allow 24 hours cure time prior to foot traffic.

Allow 72 hours cure time prior to vehicular traffic.

CLEAN-UP

Before WB PLUS dries, spills and tools can be cleaned with water.

WARNING

KEEP OUT OF REACH OF CHILDREN. Keep areas ventilated to prevent the accumulation of vapors. Inhalation: Use NIOSH approved respirator if threshold levels are exceeded. Skin Contact: Skin contact may cause irritation. Remove contaminated clothing and wash affected skin with soap and water. Launder clothing before reuse. If symptoms persist, seek medical attention. Eyes: Wear safety eye protection when applying. If contact occurs, flush eyes with water for 15 minutes, seek medical attention.

WARRANTY

Warranty of this product, when used according to the directions, is limited to refund of purchase price, or replacement of product (if defective), at manufactures/seller's option. Manufacturer shall not be liable for cost of labor or direct and/or incidental consequential damages.

