Product Information

**Generic Type:** Single component urethane/acrylic polymer

**General Properties:** Smith’s Seal WB is a single component high solids urethane/acrylic polymer-based sealer for decorative concrete. Available in both gloss and low sheen, this product is easy to apply and cures to a clear, non-yellowing durable film. Smith’s Seal WB offers superior chemical resistance when compared to standard acrylic based systems. Smith’s Seal WB is a low level VOC formulation which meet both the AQMD and EPA standards. This single component sealer was specifically developed for the residential decorative concrete market.

**Recommended Use:** Applied as a film forming protective coat to increase the durability and longevity of Smith’s Color Floor, Color Wall and Color Accents.

**Colors:** Clear only

**Performance Properties:**
- Ultraviolet (UV) Light degradation STM C 1315, 8.86
- UV Resistance: Non-yellowing
- Chalk Resistance: No chalking
- Check/Peel Resistance: No deterioration
- Alkali Resistance: Excellent

**Cure Times:** (77°F)
- Dry Time: 2-3 hours
- Recoat: 4 – 24 hours
- Foot Traffic: 6-12 Hours
- Wheel Traffic: 24 Hours

**Solids Content:** Smith’s Seal WB (by weight) 25%

**Volatile Organic Content:**

| Standard Formula | 10.8 grams/liter |

**Coverage per Gallon:**

300-600 square feet

**Storage Conditions:** 40-90°F

**Shelf Life:** Unopened Container, 1 year

**Gloss:** Gloss and Low Sheen

**Ordering Information:**

Prices may be obtained from Smith Paint Products, Sales Representative or local Smith’s Color Floor Dealer.

**Flash Point:**

Smith’s Seal WB >200°F

**Precautions:**

- Do not apply sealer when substrate has direct sun (high noon).
- Do not apply sealer when substrate has direct heat (140°F or more).
- Do not apply sealer when air, material and/or substrate are exposed to temperatures below 40°F within four hours.
- Do not dilute.

**Applications:**

- Mock-ups are highly recommended as part of the evaluation process to determine the appropriate amount of slip-coefficient necessary for the environment.
- Traction needs and footwear necessary for the traction may be necessary. It is the contractor and installer’s responsibility to determine the conditions as well as any condition where increased traction may be necessary.
- It is the contractor and installer’s responsibility to determine the conditions as well as setting performance parameters prior to beginning the application, testing to determine conditions as well as any condition where increased traction may be necessary. It is the contractor and installer’s responsibility to determine the conditions as well as setting performance parameters prior to beginning the application, testing to determine conditions as well as any condition where increased traction may be necessary.

**Equipment:**

- The absence of an effective moisture vapor barrier may create an environment for general failure. Thus, a calcium chloride test (ASTM F-1869) and/or relative humidity probe (ASTM 2170) should be conducted and is the responsibility of the installer. Smith Paint Products is not responsible for failures due to the presence of moisture vapor emission. Failure, system to this environment may result in blistering or general failure. Thus, a calcium chloride test (ASTM F-1869) and/or relative humidity probe (ASTM 2170) should be conducted and is the responsibility of the installer. Smith Paint Products is not responsible for failures due to the presence of moisture vapor emission.

**Solvents:**

- Solvent, such as Xylene or Toluene.

**Clean Up:**

- While Smith’s Seal WB is still wet, equipment may be cleaned with soap and water.
- Once dried, the material may be removed with a solvent, such as Xylene or Toluene.
- Note: Do not apply sealer when substrate has direct sunlight (high noon).

**Temperature:**

- KEEP FROM FREEZING. Do not dilute. Do not apply sealer when substrate has direct sunlight (high noon).

**Miscellaneous:**

- Current temperatures below 40°F within four hours of application will increase cure times.
- Prices may be obtained from Smith Paint Products, Sales Representative or local Smith’s Color Floor Dealer.
- Note: Coverage depends on surface porosity and profile.

**Shelf Life:**

- Unopened Container, 1 year

**Solids Content:**

- Smith’s Seal WB (by weight) 25%

**Alkali Resistance:** Excellent

**Chalk Resistance:** No chalking

**Check/Peel Resistance:** No deterioration
Application Information

**Moisture/Alkalinity:** The absence of an effective moisture vapor barrier may create an environment for moisture vapor transmission as well as high levels of alkalinity in concrete slabs (generally, but not limited to interiors). Introducing an impermeable coating/flooring system to this environment may result in blistering or general failure. Thus, a calcium chloride test (ASTM F-1869) and/or relative humidity probe (ASTM 2170) should be conducted and is the responsibility of the installer. Smith Paint Products is not responsible for failures due to the presence of moisture vapor emissions and/or high levels of alkalinity.

**Slip Resistance:** Smith Paint Products recommends the use of angular slip-resistant aggregate in all coatings that may be exposed to wet, oily or greasy conditions as well as any condition where increased traction may be necessary. It is the contractor and end users’ responsibility to determine the appropriate traction needs and footwear necessary for the conditions as well as setting performance parameters prior to beginning the application, testing to determine parameters have been met upon completion to achieve the end users documented safety standards.

Mock-ups are highly recommended as part of the evaluation process to determine the appropriate amount of slip-coefficient necessary for the environment.

**Application Directions:**

<table>
<thead>
<tr>
<th>Material Surface</th>
<th>Ambient</th>
<th>Humidity</th>
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<tbody>
<tr>
<td>Best 60-85°F</td>
<td>65-85°F</td>
<td>65-90°F</td>
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<tr>
<td>Minimum 50°F</td>
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<tr>
<td>Maximum 95°F</td>
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<td>95°F</td>
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</tbody>
</table>

*Note: Do not apply sealer when substrate has direct sun (high noon).*

**Clean Up:** While Smith's Seal WB is still wet, equipment may be cleaned with soap and water. Once dried, the material may be removed with a solvent, such as Xylene or Toluene.

**Precautions:**

KEEP FROM FREEZING. Do not dilute. Do not apply when air, material and/or substrate are exposed to temperatures below 40°F within four hours of completed application.

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Application Information

**Area Preparation:** Be sure to mask and cover all areas that are not intended to be stained or sealed including but not limited to door frames, doors, walls and windows.

**Surface Preparation:** The surface preparation phase of “Staining a Concrete Floor” should be viewed as the most important. Proper floor preparation results in the product’s longevity, minimizes potential failures and creates the best environment for an aesthetically pleasing work of art. In short, the more detail and time allotted to this phase of the project will dramatically affect the appearance and durability of the finished floor.

**Application to Bare Concrete:**
1) Remove paint, adhesives and loose particulates from the intended application surface.
2) Liberally apply Smith’s Green Clean to a 20 feet x 20 feet section of the substrate with ½ inch nap roller cover.
3) Allow the gel or emulsion on the substrate for 20 minutes.
4) For exterior application, utilizing a 12,000 work units* pressure washer in conjunction with a 15 degree tip, remove the Smith’s Green Clean with overlapping line patterns. For interior surface preparation, agitate Smith’s Green Clean utilizing a floor buffer (small area) or an auto-scrubber (large area) with Mal-grit brush attachments while rinsing with clean water. Extract material utilizing a wet/dry vacuum or lower the squeegee uptake bar on the auto-scrubber. Continue to flush and agitate the substrate until the rinse water is clear.
5) Allow surface to dry.
6) Perform a “Tape Test”.

* Work Units = Gallons per minute x PSI

**Tape Test:** A tape test will help determine the effectiveness of the cleaning process. After the floor has been thoroughly scrubbed, rinsed and allowed to dry; apply several 1 foot strips of high quality 2” clear packaging tape to various locations on the floor. Aggressively press the tape onto the floor with the heel of your hand. Fold one end of the tape into itself and pull it off of the floor as vigorously as possible. Examine the adhesive layer in a bright light looking for residue that was pulled from the floor.

Little to no dust or other foreign particles should be visible. Areas with visible foreign material need to be rinsed again until the surface is free of these contaminants.

**Application to Stained Concrete:** After allowing a full cure* (minimum 12 hours) time for Smith’s Color Floor, Color Wall or Color Accents, remove all lose particulate using a leaf blower. If standing water is present, remove excess water with cloth or squeegee. Allow substrate to dry before application of Smith’s Seal WB.

* High humidity and lower temperatures will lengthen cure time.

**Mixing Instructions:** For optimum performance, gentle mixing or agitation is recommended. CAUTION: DO NOT MIX EXCESSIVELY.

**Application Method:** Smith’s Seal WB may be applied via brush, roller, pump up, HVLP or airless spray.

**Spray Application:** A typical pump up sprayer provides an easy, economical method of application. Spray as a fine mist, without spurts or dribbles, to form a thin, continuous film. Do not puddle. If puddles occur, brush or roll excess sealer. To increase film build and gloss, we recommend two coats of Smith’s Seal WB. Additional coats may be applied after the previous coat has thoroughly dried.

**Roller Application:** Use a 1/2 inch (heavy texture) or 3/8 inch non-shed roller cover. Smith’s Seal WB can be rolled onto stained substrate via a 5 gallon pail or roller pan utilizing the dip and roll method. Material should not be poured onto the stained substrate. Do not over-apply or allow excess puddles.

**Brush Application:** Utilize traditional bristle brush application for corners, control joints and other hard to reach places.