

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: OSHA and the American Disabilities Act (ADA) have now set enforceable standards for slip-resistance on pedestrian surfaces. The current coefficient of friction required by ADA is .6 on level surfaces and .8 on ramps. Smith Paint Products recommends the use of angular slip-resistant aggregate in all coatings that may be exposed to wet, oily or greasy conditions. It is the contractor and end users' responsibility to achieve current safety standards.

Application Directions:

	Material	Surface	Ambient	Humidity
Best	60-85°F	65-85°F	65-90°F	10-60%
Minimum	50°F	50°F	50°F	0%
Maximum	95°F	95°F	95°F	80%

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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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. 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 W/B 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.

High Gloss	Good bluish resistance
Infinite inter-coat adhesion	Low VOC
UV Light Resistant	Interior and Exterior application
Fast cure time	LEED credit: EQc4.2
Non-yellowing	

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

Note: High humidity and lower temperatures will increase cure times.

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

Volatile Organic Content:

Standard Formula	10.8 grams/liter
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Coverage per Gallon:

300-600 square feet

Note: Coverage depends on surface porosity and profile.

Storage Conditions: 40-90°F

Shelf Life: Unopened Container, 1 year

Gloss: Medium to High Gloss

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



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 to remain 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.
- 6) Allow surface to dry.
- 7) Perform a "Tape Test".

* *Work Units = Gallons per minute x PSI*

Note: If additional profile is desired, reapply Smith's Green Clean following the previous directions.

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 loose particulate utilizing 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 W/B 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.