



Spray - Application Instructions

SURFACE GUARD

These instructions are not intended to show product recommendations for specific service. They are issued as an aid in determining correct surface preparation, mixing instructions and application procedure. These instructions should be followed closely to obtain the maximum service from the product.

AREA PREPARATION: Be sure to mask or 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 1/2 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 Surface Guard.

* High humidity and lower temperatures will lengthen cure time.

MIXING INSTRUCTIONS: For optimum performance, gentle mixing or agitation is recommended. Surface Guard – Low Sheen must be mixed to suspend flattening agent.

CAUTION: DO NOT MIX EXCESSIVELY.

APPLICATION METHOD: Smith's Surface Guard 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 on in a fine, fog pattern, without spurts or dribbles, to form a thin, continuous film. **AVOID PUDDLING** in low areas. If puddles occur, brush or roll them out. For added protection and a greater sheen on concrete, we recommend two coats of Smith's Surface Guard. Additional coats may be applied after the first coat has thoroughly dried.

ROLLER APPLICATION: Use a 1/2 inch (heavy texture) or 3/8 inch non-shed roller cover. Smith's Surface Guard 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 due to the rapid cure. Because the material dries quickly, apply liberally and work small areas. Application rate should be 300 sq. ft. per gallon. 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.

RECOATING: Smith's Surface Guard has indefinite inter-coat adhesion. Allow initial coat to thoroughly dry (4-24 hours) before applying additional coat.





Spray - Application Instructions

SURFACE GUARD

These instructions are not intended to show product recommendations for specific service. They are issued as an aid in determining correct surface preparation, mixing instructions and application procedure. These instructions should be followed closely to obtain the maximum service from the product.

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:

	<u>Material</u>	<u>Surface</u>	<u>Ambient</u>	<u>Humidity</u>
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).

CURE TIMES: (optimal)

<u>Temperature</u>	<u>Relative Humidity</u>	<u>Recoat</u>	<u>Light Traffic</u>	<u>Wheel Traffic</u>
73°F	50%	4 hours	6 hours	24 hours

Smith's Surface Guard dries quickly. Drying times may be extended depending on application rate, temperature, humidity and project conditions. Restrict foot traffic for at least six

hours. Twelve hours is preferred. 48 hours before water submersion.

CLEAN UP: While Smith's Surface Guard 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 surface temperatures are expected to fall below 40° F (4° C) within four hours of completed application.

DO NOT MIX "WATER-BASE" COMPOUNDS WITH ANY COMPOUND CONTAINING SOLVENT.

Do not use on dense or non-porous surfaces, i.e., brick, stone, etc. The specifier and user shall determine the suitability and assume all responsibilities therewith.

Upon information, belief and to the best of our knowledge, the information contained herein is true and accurate as of the date of issuance of this particular product and any and all information conveyed, expressed or implied is subject to change without prior notice. We guarantee our products to conform to Smith Paint Products' quality control mechanisms, but not to any other standards. We assume no responsibility for coverage, performance or injuries resulting from use, misuse or uses not described in any promotional materials. Promotional materials are not a supplementation to any contract or expand any term or condition of the product purchase agreement, if any is reduced to writing. Liability, if any, is limited to replacement of the purchased product upon presentation of valid sales receipt or invoice, and no damages for any consequential, liquidated or other damages are provided under this Limitation of Liability and Limited Warranty. NO OTHER WARRANTY OR GUARANTY OF ANY KIND IS MADE BY SMITH PAINT PRODUCTS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. DO NOT PURCHASE AND USE THIS PRODUCT IF YOU HAVE NOT AGREED TO THE ABOVE TERMS.

