

Product Information

Generic Type: Water-borne acrylic

General Properties: Extra strength stains developed to achieve a low sheen natural appearance on vertical porous surfaces. Smith's Color Wall is water submersible, alkali, weather and UV light resistant. This stain system is compatible with a variety of sealers, including but not limited to solvent-based, water-based, single and two component urethane, polyurethane and epoxy. Smith's Color Wall is not compatible with Methyl Methacrylate or penetrating (sodium silicate) sealers.

- Low Odor
- Fast Air Dry
- Overnight Deliverable
- Low VOC
- Interior and Exterior application

Recommended Use: Formulated for a simple application, user-friendly stain with superior adhesion to a variety of surface including, but not limited to, interior or exterior concrete, brick, plaster, terra cotta and natural stone.

Not recommended for: Non-porous substrates (e.g. metal, resin, fiberglass) when submerged in water or exposed to severe weather conditions.

Colors: Classic and Old World Series give the applicator a wide range of affects that they may obtain. All the colors in the Color Wall line are compatible with one another in both the dry and wet stage.

Classic Series: can be used for applications that range from high hide to transparent variegated appearance.

Old World Series: remain transparent even with multiple coats – appear very similar to acid stains.

Color Retention: All the colors formulated for Smith's Color Wall have been specially selected to produce the most durable lightfast and alkali resistant coatings available:

Pigment	Alkali Resistance	Ultra-violet Light Resistance
Carbon Black	Excellent	Excellent
Titanium White	Excellent	Excellent
Iron Oxide	Excellent	Excellent
Phthalo Blue	Excellent	Excellent
Phthalo Green	Excellent	Excellent

Typical Chemical Resistance:

Exposure	Concentrate	Dilute (10%)
Acids	Good	Excellent
Alkalis	Excellent	Excellent
Solvents		
Aliphatic	Good	Good
Aromatic	Good	Good
Ketones	Poor	Poor
Salt	Excellent	Excellent
Water	Excellent	Excellent

Solids Content: Smith's Color Wall (as supplied)
30% ± 2% By Volume

Volatile Organic Content:

<i>Note: V.O.C. varies with color</i>		Calculated EPA Method 24	Per Actual Gallon
As supplied	lbs/gal	1.19 - 1.4	.43 - .45
	g/l	142.6 - 164.5	50.9 - 54
Diluted Coating	lbs/gal	1.19 - 1.4	.083 - .088
	g/l	142.6 - 164.5	9.97 - 10.5

Note: V.O.C. varies with color

Recommended Dry Film Thickness:

1 mil

Coverage per Gallon: 250-400 square feet

Note: Coverage depends on surface porosity, profile and desired appearance.

Storage Conditions: 40-110°F

Keep from freezing



Product Information

Shelf Life:

Unopened Container	4 years
Opened Containers	24 months
Diluted Stain	3 months

Color: See Smith's Color Floor & Color Wall Color Chart.

Gloss: Satin

Ordering Information:

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

Approximate Ship Weight:

	Quarts	1 gal	5 gal
Smith's Color Wall	2.3 lbs	8.9 lbs	44.2 lbs

Flash Point:

Smith's Color Wall >212°F (100°C)

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Application Instructions

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 results from the products.

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

Surface Preparation: The surface preparation phase should be viewed as the *most important*. Proper preparation results in the stains 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 surface.

The surface must be free of all foreign materials that would inhibit the absorption of Smith's Color Wall stain. Foreign materials include, but are not limited to grease, dirt, glue, previous coatings, and sealer.

Do not use an acid etch as a cleaning method.

- 1) Open the pores of the surface via power washing*. Use a parallel overlapping line pattern to insure a properly cleaned surface.

* Power wash = 0 degree rotating nozzle with 12,000 work units (Work Units = Gallons per Minute x PSI)

The application of Smith's Green Clean can be used to create texture in the substrate. For this surface preparation, the directions are as follows:

- 1) Remove paint, adhesives and loose particulates from the intended application surface.
- 2) Liberally apply Smith's Green Clean to a 20 x 20 foot section of the substrate with ½ inch nap roller cover.
- 3) Allow the gel to remain on the substrate for 20 minutes.
- 4) Remove Smith's Green Clean from the surface using a power washer* with overlapping line patterns.
- 5) Allow the area to dry adequately before performing a Tape Test. Upon the completion of a successful Test begin the application of Smith's Stains.

Note: If additional proile 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 substrate has been cleaned and allowed to dry; apply several 1 foot strips of high quality 2" packaging tape to various locations on the surface. Aggressively press the tape onto the substrate with the heel of your hand. Fold one end of the tape onto itself and pull it as vigorously as possible. Examine the adhesive layer in a bright light looking for residue that was pulled from the surface. Little to no dust or other foreign particles should be visible. Areas with visible foreign material need to be scrubbed and rinsed until the surface is free of these contaminants.

Dilution/Mixing: Smith's Color Wall is supplied as a concentrate. The recommended dilution ratio is 1 part concentrate to 4 parts distilled, deionized or reverse osmosis water. Concentrate will result in ready to use stain by simply stirring mixture. For application to concrete, Smith's Base Boost should be used to increase product adhesion and durability. Review Smith's Base Boost product information for dilution ratios and application instructions.

Note: Our research has shown that "hard" water (water with excess amount of magnesium, calcium and various other charged ions) has water has an adverse affect on Smith's Color Wall. As a result of this reaction, you will not achieve the optimal adhesion and longevity associated with our product. Furthermore, we have found that water is not consistent over time, even from the same source. Therefore, in order to achieve maximum service distilled, deionized or reverse osmosis water is recommended.

Thinning: The recommended dilution ratio for Smith's Color Wall can be found in Dilution/Mixing section. Increased transparency as well as lighter color shade can be achieved by increasing the dilution ratio (amount of water to concentrate). The dilution ratio should not surpass 1 part concentrate to 8 parts distilled, deionized or reverse osmosis water.

Note: As dilution ratio increases, the amount of vehicle solids (glue) decreases resulting in a less durable stain.

High Hide: Decreasing the dilution ratio of the Classic Series (e.g. 1 part concentrate to 1 part water) will increase hide or opacity. This allows the applicator to cover stains and blemishes as well as achieve uniformity on different surfaces.

Application Instructions

Application Directions:

	Material	Surface	Ambient	Humidity
Best	60-90°F	65-85°F	65-90°F	10-60%
Minimum	45°F	45°F	45°F	0%
Maximum	105°F	110°F	110°F	80%

Application Method: To achieve a natural variegated appearance, Smith's Color Wall should be applied by creating a mist via an airless sprayer, High Volume Low Pressure (HVLP) sprayer, production gun, pump sprayer or trigger spray bottle. A variegated or natural finish is achieved through the various absorbencies of the surface material as well as the accumulation of the color pigments. Roller application methods force absorption resulting in mechanical lines

Brush/Sea Sponge Application: For application areas where coverage and product control is warranted, apply Smith's Color Wall with a sea sponge or traditional bristle brush (e.g. corners and faux finishes). Using this method of application may result in the appearance of mechanical lines.

Secondary/Highlight Color: To achieve increased color depth or mottled appearance. A secondary or highlight coat can be applied as soon as initial Smith's Color Wall color is dry to the touch (approximately 15 minutes).

Note: All Smith's Color Wall Colors are compatible, thus can be mixed, sprayed simultaneously and layered to achieve a desired appearance.

Dry Times:

Temperature	Relative Humidity	Dry to the Touch	Final Cure/
70°F	30%	15-20 min	24 hours

Note: Cool temperatures and high humidity will lengthen dry and cure times. Dry time can be shortened by increasing temperature and air flow. Adhesion and coating strength will develop with time.

Clean Up: Immediately clean up work area and tools with water while stains are still wet.