



COLOR SEAL™ WB Acrylic Concrete Stain

3549

COLOR SEAL WB Acrylic Concrete Stain No. 3549 Series is a fast drying, waterborne, low odor, interior/exterior, weather resistant, breathable, tintable, pigmented, acrylic concrete stain for use on properly cured and prepared, sealed and unsealed, concrete and masonry surfaces. Use to seal and color walls, floors and more, including concrete, stucco, brick, concrete block (CMU), mortar, etc. Use for porches, patios, steps, pool decks, and decorative concrete items. COLOR SEAL WB Acrylic Concrete Stain No. 3549 series may also be used over previously stained or painted masonry surfaces.

USED FOR	FEATURES
<ul style="list-style-type: none"> Sealing and coloring walls, floors, pool decks, etc. Protecting exterior masonry, concrete, stucco, stone, etc. Overcoating previously stained or sealed surfaces 	<ul style="list-style-type: none"> Wide color range Low sheen Weather resistant, durable Fast drying Resistant to acids, bases, salts

RECOMMENDED SYSTEMS

COLOR SEAL WB Acrylic Concrete Stain No. 3549 series is designed to penetrate, seal and color a wide variety of properly prepared masonry and concrete wall and floor surfaces. (NOTE: For surfaces requiring hot tire resistance, use COLOR SEAL Acrylic Waterproofing Sealer No. 3249 series.) **Typical applications for COLOR SEAL WB Acrylic Concrete Stain No. 3549 series are:**

SURFACE	TYPICAL SYSTEMS*
Unsealed Brick, Concrete Block (CMU), Concrete Floors/Walls, mortar, Stucco, Stone, etc.:	Two coats of COLOR SEAL WB Acrylic Concrete Stain No. 3549 series.
Sealed or Painted Masonry Surfaces:	One or two coats of No. 3549 series (as required for appearance and performance)

*For better slip resistance, particularly when moisture may be present, add 1 lb. of powdered Pumice Stone, number EBPX0000, to each gallon of finish coat.

LIMITATIONS

For proper adhesion, the first coat of product must penetrate into the surface to mechanically anchor the stain into the pore structure. Do not apply when air or surface temperature is below 50°F or above 110°F. Surface temperature must be at least 5°F above the dew point. For optimum application properties, bring material to 60-80°F (16-27°C). Use for service below 180°F. Not intended for wood, or for driving surfaces such as garage floors, driveways, etc. Avoid exposure to solvents; wipe up oil, gasoline and other automotive fluids and garden chemical spills immediately to prevent staining or delamination. **Protect from freezing.**

TECHNICAL DATA

Data below is based on White/Pastel base.

Product Type:	Acrylic
Bases/Colors:	3545 White/Pastel base 3549 Tint base 3544 UD base
Sheen:	Up to Satin (depending on no. of coats)
Percent Solids:	
Weight:	36 ± 2%
Volume:	25 ± 2%
PVC:	20 ± 2%
Weight/Gallon:	9.7 lb
Viscosity (Initial):	60 - 65 Krebs Units
Thinner: Brush/Roller/Spray:	Thin the first coat with clean water up to ½ pint per gallon. Thinning additional coats is not recommended.
Clean-up:	Use warm, soapy water.
Recommended Film Thickness:	
Wet:	Not applicable for penetrating materials.
Dry:	Not applicable.
Spread Rate (Typical):	250-300 sq. ft./gal.
Dry time (70°F @ 50% R.H.):	
To Touch:	30 minutes
To Recoat:	2 hours
	(Expect longer dry times at lower temperatures and higher relative humidity.)
Flash Point:	>200°F (>93°C)
Flame Spread Rating:	Class A (0-25)
	(See Porter Technical Bulletin No. 9: Flame Spread Rating.)
Federal Specification Crossover:	None.
	(See Porter Technical Bulletin No. 6: Federal Specification Performance Crossover.)

NOTE: This product is not formulated with lead or mercury containing materials.

REGULATORY DATA

VOC based on White/Pastel base. See labels for other bases/colors.

VOC (theoretical - untinted):
As supplied: 1.68 lb/gal (201 g/l)

SURFACE PREPARATION

For optimum performance, all masonry, concrete and stucco construction must age at least 28 days, and moisture content should be below 12% prior to application of COLOR SEAL WB Acrylic Concrete Stain No. 3549 series (check with a moisture meter or follow ASTM Test Method D 4263: Standard Test Method for Indicating Moisture in Concrete by the Plastic Sheet Method).

Apply COLOR SEAL WB Acrylic Concrete Stain No. 3549 series to clean, dry, properly prepared surfaces only. Remove dirt, oils, grease, wax, release agents, grinding dust, paint remover, etc. with PORTERPREP™ Heavy Duty Cleaner No. 571, Soilax and water, Porter Paint Thinner No. 5132, or other suitable cleaner per SSPC-SP 1 Solvent Cleaning, ASTM D 4261: Standard Practice for Surface Cleaning Concrete Unit Masonry for Coating; or ASTM D 4258: Standard Practice for Surface Cleaning Concrete for Coating. Remove efflorescence by pressure-washing or cleaning with dilute muriatic acid (following manufacturer's instructions). Remove mildew by treating with a commercial mildew cleaner or with a mixture of 1 part chlorine bleach to 3 parts water (apply for 15 minutes and rinse). Fill cracks and holes in masonry and concrete with Bondex Concrete Patch or other appropriate filler. Acid etch unsealed, unpainted concrete per ASTM Method D 4260: Standard Practice for Acid Etching Concrete (ALSO SEE PORTER TECHNICAL BULLETIN #14: GUIDE TO ACID ETCHING CONCRETE); or sweep blast as appropriate to provide uniform porosity (required to assure adhesion and good aesthetics). **(NOTE: Development of uniform color and appearance is dependant upon uniform porosity of the substrate. Therefore it is recommended that close attention be given to the acid etching or sweep blasting process to assure that the surface has a uniform appearance before staining. Nonuniform porosity will result in a "blotchy" appearance.)**

USE OVER PREVIOUSLY STAINED OR PAINTED SURFACES: Clean surfaces to be coated as outlined above, removing all contamination. If an existing coating is glossy, degloss by sanding, hand tooling, power tooling or sweep blasting as required to degloss the surface and provide profile for good intercoat adhesion. If compatibility of COLOR SEAL WB Acrylic Concrete Stain No. 3549 series with the existing sealer stain or coating is in doubt, test for adhesion before continuing work. Thinning the first coat over sealed surfaces is not normally necessary or recommended.

INSTRUCTIONS FOR USE

Tinting: Tint with Porter DESIGN SPECTRUM® Colorants per label instructions.

Mixing: Mix thoroughly before application.

Thinning: Thin the first coat only with clean water up to ½ pint per gallon.

Clean-up: Clean tools and spray equipment immediately after use with warm, soapy water.

Application:

Conditions:	Temperature Range:	50°F to 110°F (air, surface, paint) (Optimum paint temperature 60-80°F)
	Dew Point:	Surface temperature must be at least 5°F above the dew point.
	Relative Humidity:	Maximum 85%.
Equipment:	Brushes:	Use nylon or polyester brushes.
	Rollers:	Use ½" to ¾" synthetic roller covers.
	Airless Spray:	Minimum 28:1 Pump Ratio; .015" tip; 1800-2400 psi; 1/4" high pressure material hose.
	Conventional Spray:	DeVilbiss MBC-510 gun; E tip; 704 Air Cap; 3/8" ID material hose; double regulated pressure tank with oil and moisture separator; 20 psi fluid pressure; 40-60 psi air pressure.
Directions:	Masonry/Concrete/Etc.:	Apply two or three uniform coats (the first one thinned) by brush, roller or spray at an appropriate spread rate for the surface being stained. Apply evenly, avoiding runs, sags, puddles, heavy spots or overlaps (which will create color and appearance differences). If sheen or color is uneven, an additional coat will usually help.
	Sealed/Stained/Painted:	Apply one or two uniform coats (as required for appearance and performance) by brush, roller or spray at an appropriate spread rate for the surface being coated. Apply evenly, avoiding runs, sags, puddles, heavy spots or overlaps (which will create color and appearance differences). If sheen or color is uneven, an additional coat will usually help.

PRECAUTIONS

Prior to using this product, the user is specifically directed to obtain and read the current Material Safety Data Sheet and Label for this product. If, after reading these documents, you do not understand them, do not use this product. KEEP OUT OF REACH OF CHILDREN.

SHIPPING

Freight Classification: PAINT OR PAINT RELATED MATERIAL

Packaging: 4 Gallons per carton; 5-Gallon pail

Shipping Weights: 10.5 lb/gal (42.9 lb/carton); 52.7 lb/-5-gal



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