



## Architectural Coatings

## GENERAL DESCRIPTION

*Perma-Crete Color Seal* WB Interior/Exterior Concrete Stain is a film forming, tintable, water borne, acrylic concrete stain ideal for use on interior/exterior, above-ground, vertical and horizontal surfaces. This fast drying stain is water and chemical resistant. *Perma-Crete Color Seal* WB Stain has excellent hot tire resistance while providing good adhesion. This low odor product seals the surface and improves the appearance of the substrate by adding color and durability. *Perma-Crete Color Seal* WB Stain is ideal for use on concrete surfaces such as garage floors, driveways, pool decks, walkways, patios, porches, warehouse floors and more.

## RECOMMENDED SUBSTRATES

Brick	Exposed Aggregate
Concrete	Masonry
Concrete Block (CMU)	Stucco

## CONFORMANCE STANDARDS

VOC compliant in all regulated areas

## TINTING AND BASE INFORMATION

4-4210XI	White & Pastel Base
4-4220XI	Midtone Base*
4-4240XI	Ultra Deep Base*

\*Must be tinted before use.

Refer to the appropriate color formula book, automatic tinting equipment, and or computer color matching system for color formulas and tinting instructions.

*Perma-Crete* COLOR SEAL™ WB Interior/Exterior Concrete Stain

## PRODUCT DATA

<b>PRODUCT TYPE:</b>	100% Acrylic
<b>SHEEN:</b>	Satin (depending on number of coats and porosity of substrate)
<b>VOLUME SOLIDS*:</b>	29% +/- 2%
<b>WEIGHT SOLIDS*:</b>	40% +/- 2%
<b>WEIGHT/GALLON*:</b>	9.8 lbs. (3.9 kg) +/- 0.2 lbs. (91 g)
<b>VOC:</b>	<100 g/L (0.8 lbs./gal.)

\*Product data calculated on product 4-4210XI.

**COVERAGE:** 250 to 350 sq. ft. (23 to 33 sq. meters) per US gal. (3.78L)

Wet Film Thickness:	4.6 mils to 6.4 mils
Wet Microns:	117 to 163
Dry Film Thickness:	1.3 mils to 1.9 mils
Dry Microns:	33 to 48

Coverage figures do not include spray loss, loss due to surface irregularities and porosity, nor material loss when mixing.

**DRYING TIME:** Dry time @ 77°F (25°C); 50% relative humidity.

To Touch:	30 minutes
To Recoat:	6 hours
For Pedestrian Traffic	24 hours
For Vehicular Traffic	72 hours

Drying times listed may vary depending on temperature, humidity, film build, color, and air movement.

**CLEANUP:** Clean tools and hands immediately with warm, soapy water.

**DISPOSAL:** Contact your local environmental regulatory agency for guidance on disposal of unused product. Do not pour down a drain or storm sewer.

**FLASH POINT:** Over 200°F (93°C)

## FEATURES AND BENEFITS

## Features

Seals Concrete  
Hot Tire Resistance  
Fast Drying  
Moisture and Chemical Resistance  
Good Adhesion  
Excellent Application Properties  
UV Resistance  
Application to 35°F (2°C)

## Benefits

Minimizes moisture damage  
Minimize staining and discoloration on traffic surface  
Turns jobs quickly  
Helps to extend substrate life  
Resists peeling and cracking  
Reduces application time and resists pinholing  
Extends newly painted look  
Extends painting season

## PERFORMANCE DATA

Property	Test Method	Results
Hot Tire	Koehler I.C.	Passes, no staining or adhesion loss
Water repellency	ASTM D4446	Passes, no water absorption
Weathering	ASTM D4587	Passes, QUV 500 Hours
Adhesion	ASTM D3359	Passes, Wet and Dry
Yellowing	ASTM E313	Passes, no discoloration

Read Label and Safety Data Sheet Prior to Use. See other cautions on last page.

## GENERAL SURFACE PREPARATION

Surfaces to be coated must be dry, clean, sound, and free from all contamination including loose and peeling paint, dirt, grease, oil, wax, concrete curing agents and bond breakers, chalk, efflorescence, mildew, rust, product fines, and dust. Remove loose paint, chalk, and efflorescence by wire brushing, scraping, sanding, and/or pressure washing. Caulk all cracks and open seams. Sand all glossy, rough, and patched surfaces. Feather back all rough edges to sound surface by sanding.

Remove mildew by washing with a mixture of 1 part liquid chlorine bleach to 3 parts water. Before use, be sure to read and follow instructions and warnings on label. Rinse thoroughly.

**WARNING!** If you scrape, sand, or remove old paint, you may release lead dust or fumes. LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a properly fitted NIOSH-approved respirator and prevent skin contact to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the USEPA National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead). In Canada contact a regional Health Canada office. Follow these instructions to control exposure other hazardous substances that may be released during surface preparation.

**BRICK:** New brick and mortar should cure for at least 30 days and preferably 90 days prior to sealing. The pH of the substrate must be less than 10 before sealing with two coats. Painting glazed brick is not recommended due to potential adhesion problems.

**CONCRETE and MASONRY:** New concrete should cure for at least 30 days and preferably 90 days prior to sealing. The pH of the substrate must be less than 10 before sealing with two coats.

**CONCRETE/MASONRY BLOCK:** Mortar should cure for at least 30 days and preferably 90 days prior to sealing. Surfaces previously coated with water thinned cement-based paint must be prepared with extra care. If the material appears to be adhering tightly, a masonry sealer may be applied to seal the surface. Check adhesion by applying a piece of masking tape. If the sealer peels off and has loose particles, remove all chalking or crumbling material, re-seal and re-check adhesion.

**STUCCO:** New stucco should cure for at least 30 days and preferably 90 days prior to sealing. The pH of the substrate must be less than 10 before sealing with two coats. Surface chalk from the curing or aging process should be removed then sealed with an appropriate sealer to rebind and restore the surface to a sound condition.

## RECOMMENDED PRIMERS

Product is self-priming. Refer to surface preparation recommendations.

## PACKAGING

1-Gallon (3.78 L)  
5-Gallon (18.9 L)

## LIMITATIONS OF USE

Apply only when air and surface temperatures are 35°F (2°C) or above and surface is at least 5°F (3°C) above the dew point. Air and surface temperatures must remain 35°F (2°C) or above for the next 24 hours. For optimum application properties, bring material to at least 50°F (10°C) prior to application. Surface pH limitation is 7-10. Avoid exterior application late in the day when dew and condensation are likely to form or if rain or snow is expected.

Do not apply to horizontal concrete floors that do not have a vapor barrier underneath, or to other surfaces where moisture gets behind the sealer. Not recommended for use on surfaces demonstrating hydrostatic or high vapor pressure or for immersion service. Not intended for wood. Avoid exposure to solvents; strong acids and bases; wipe up oil and gasoline spills immediately.

PROTECT FROM FREEZING. USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN.

While this product provides a mildew resistant coating, growth may still occur if the substrate is not properly prepared prior to painting and/or if the substrate is consistently exposed to conditions conducive to mold, mildew, and algae.

**APPLICATION INFORMATION**

Stir thoroughly before use. Read all label and Safety Data Sheet (SDS) information prior to use. SDS are available through our web site or by calling 1-800-441-9695.

**Application Equipment:** Apply with a high quality brush, roller, or by spray equipment.

**Airless Spray:** Minimum requirements - Pressure 1800-2400 psi; tip size .013" - .017"; flow rate 0.5 gal/minute. Spray equipment must be handled with due care and in accordance with manufacturer's recommendations. High pressure injection of coatings into the skin by airless equipment may cause serious injury.

**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.

**Brush:** High Quality Polyester/Nylon Brush

**Roller:** 1/2" - 3/4" nap synthetic roller cover

**Thinning:** Thin the first coat with up to 1/2 pint (237mL) of fresh water per U.S. gallon (3.78 Liters) to aid in penetration and for better adhesion. Thoroughly saturate concrete with first coat. Apply second coat un-thinned. Apply both coats evenly; avoid puddles, heavy spots, and laps to prevent color variations in the applied film. Color differences will also occur due to differences in substrate porosity. Note: For proper adhesion, the first coat of product must penetrate into the surface to mechanically anchor the sealer to the pore structure.

**Permissible temperatures during application:**

Material:	35 to 90°F	2 to 32°C
Ambient:	35 to 100°F	2 to 38°C
Substrate:	35 to 100°F	2 to 38°C

**PRECAUTIONS**

**WARNING! HARMFUL IF INHALED. HARMFUL IF SWALLOWED. MAY CAUSE EYE IRRITATION.** Do not breathe vapor or mist. Do not swallow. Avoid contact with eyes. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling. Provide fresh air ventilation during and after application and drying. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this preparation. Use personal protective equipment as required. **Note: These warnings encompass the product series. Prior to use, read and follow product-specific SDS and label information. FIRST AID:** If swallowed, rinse mouth with water (only if the person is conscious). Call physician immediately. Do not induce vomiting unless directed to do so by medical personnel. If in eyes, rinse with water for 15 minutes. Check for and remove any contact lenses. If on skin, rinse well with water. Wash with soap and water. Get medical attention if irritation develops. If inhaled, remove to fresh air. Call physician immediately. Keep out of the reach of children. For workplace use, an SDS is available from your retailer or by calling (412) 492-5555. EMERGENCY SPILL INFORMATION: (412) 434-4515 (U.S.).

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