



Architectural Coatings

Perma-Crete Concrete Block & Masonry Surfacers/Filler

GENERAL DESCRIPTION

Perma-Crete Concrete Block & Masonry Surfacers is a premium interior/exterior, light weight, acrylic latex block filler and surfacer for all types of properly prepared concrete and masonry surfaces. This product provides smoothing, filling, and leveling on all types of masonry and concrete surfaces. *Perma-Crete* Concrete Block & Masonry Surfacers can be topcoated with latex, oil, waterborne epoxy finishes, or solvent borne epoxy finishes that do not contain strong solvents. This *Perma-Crete* product can be applied to new masonry including concrete and stucco that has cured 7 days with a pH less than 13. *Perma-Crete* Concrete Block & Masonry Surfacers is ideal for use on a variety of exterior masonry projects including high-rise apartments and condominiums, hospitals, schools, concrete parking garage overheads, hotels, resorts and residential homes.

RECOMMENDED SUBSTRATES

Brick	Masonry
Concrete	Stucco
Concrete Block (CMU)	

CONFORMANCE STANDARDS

VOC compliant in all regulated areas
MPI approved in category 4

TINTING AND BASE INFORMATION

4-100XI	White
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Refer to color formula book, computer color matching system, or automatic tinting equipment for color formulas and tinting instructions.

PRODUCT DATA

PRODUCT TYPE:	100% Acrylic
COLOR:	White
SHEEN:	Flat
CLEANUP:	Soap and Water
VOLUME SOLIDS:	55% +/- 2%
WEIGHT SOLIDS:	60% +/- 2%
WEIGHT/GALLON:	9.4 lbs. (4.3 kg) +/- 0.2 lbs. (91 g)
VISCOSITY:	113 to 125 KU
VOC:	<100 g/L (0.8 lbs./gal.)

COVERAGE: 80 to 110 sq. ft. (7 to 10 sq. meters) per US gal. (3.78L)

Wet Film Thickness:	15 mils to 20 mils
Wet Microns:	381 to 508
Dry Film Thickness:	8 mils to 11 mils
Dry Microns:	203 to 279

Coverage figures do not include loss due to surface irregularities and porosity or material loss due to application method or mixing.

Note: To achieve wind driven rain resistance and maximum elongation, the product must be applied as a 2 coat system: 4-100XI and 4-22 Series.

DRYING TIME: Dry time @ 77°F (25°C); 50% relative humidity.
To Touch: 2 hours
To Recoat: 16 hours

Drying times listed may vary depending on temperature, humidity, film build, color, and air movement. For example, product applied at 35°F (2°C) would require a minimum of 24 hours before recoat.

CLEANUP: Clean tools and hands immediately with warm soapywater.

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	Benefits
Resists Wind Driven Rain	Water resistance requires 2 coat system @ standard coverage rate: 4-100XI and 4-22
Low Temperature Cure/Application to 35°F (2°C)	Extends painting season and application range
Light Weight	Ergonomically friendly
Excellent Filling	Provides smooth and level surface for subsequent priming & topcoating
Alkali Resistance	Can apply to fresh concrete at 7 days and a pH less than 13
Efflorescence Resistance	Minimizes white crusty salt deposits

PERFORMANCE DATA

Property	Test Method	Results
Resistance to Wind Driven Rain	ASTM D6904-03	Passes water resistance as a pinhole free 2 coat system @ standard coverage rate: 4-100XI and 4-22
Alkali Resistance	TT-P-1511B	Passes: no efflorescence, blistering, saponification
Adhesion	ASTM D3359	Passes

Read Label and Material 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. Putty all nail holes and caulk all cracks and open seams. Sand all glossy, rough, and patched surfaces. Feather back all rough edges to sound surface by sanding. Prime all bare and porous substrates with an appropriate primer.

Clean surfaces per ASTM Standard Practice D4258-83: Standard Practice for Surface Cleaning Concrete for Coating. Vacuum cleaning, water cleaning, detergent water wash, power wash cleaning, steam cleaning, hand tool and mechanical cleaning are acceptable cleaning methods. Remove efflorescence by pressure washing or cleaning with dilute muriatic acid (following manufacturer's instruction) or a solution of 1 part white vinegar to 4 parts water. Rinse thoroughly and allow to dry.

Remove mildew by using PPG MILDEW CHECK® Multi-Purpose Wash, 18-1; or 1 part chlorine bleach to 3 parts water. Before use, be sure to read and follow instructions and warnings on label.

Dry substrate thoroughly to a moisture content under 12%. Clean chalky paint in good condition by sweep blasting, power washing, wire brushing, etc. to remove loose material. After cleaning, powdery or chalky, unpainted recommended substrates may be conditioned with a coat of *PERMA-CRETE* Exterior Acrylic Clear Masonry Surface Sealer 4-808 or Pigmented Masonry Surface Sealer 4-809.

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. 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 7 days and preferably 30 days prior to painting. The pH of the substrate must be less than 13. Painting glazed brick is not recommended due to potential adhesion problems.

CONCRETE and MASONRY: New concrete should cure for at least 7 days and preferably 30 days prior to painting. The pH of the substrate must be less than 13.

CONCRETE/MASONRY BLOCK: Mortar should cure for at least 7 days and preferably 30 days prior to painting. 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 7 days and preferably 30 days prior to painting. The pH of the substrate must be less than 13. 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.

LIMITATIONS OF USE

Apply only when air and surface temperatures are above 35°F (2°C) and surface is at least 5°F (3°C) above the dew point. Air and surface temperatures must remain above 35°F (2°C) for the next 24 hours. For optimum application properties, bring material to at least 50°F (10°C) prior to application. Solventborne epoxies require a 48 hour cure of the block filler prior to application of the epoxy. Surface pH limitation is 7-13. Do not use on floors. Do not overbuild product to prevent pinholes. Remove filter before spraying. Always back roll the surface when applied by spray to achieve a pinhole free film.

PROTECT FROM FREEZING.

USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN.

RECOMMENDED PRIMERS

Powdery or Chalky Unpainted Concrete/Masonry 4-808, 4-809

PACKAGING

5-Gallon (18.9 L)

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, paintpad or by spray equipment.

Airless Spray: Minimum requirements: Pressure 2000-2800 psi, tip 0.027" - 0.031", flow rate 1.5 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.

Brush: High Quality Polyester/Nylon Brush

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

Thinning: Do not thin for brush or roller application. Thin only if necessary for proper spray application with clean water up to 1 pint (473 mL) per 5 gallon (18.9L) of this product.

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 SWALLOWED. CAUSES RESPIRATORY TRACT AND EYE IRRITATION. Sanding and grinding dusts may be harmful if inhaled. Do not swallow. Avoid contact with eyes. Avoid breathing vapor or mist. 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 MSDS 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. If experiencing respiratory symptoms call a POISON CENTER or doctor/physician. Keep out of the reach of children. For workplace use, an MSDS is available from your retailer or by calling (412) 492-5555. EMERGENCY SPILL INFORMATION: (412) 434-4515 (U.S.).

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