



Architectural Coatings

Perma-Crete Exterior Solvent Acrylic Masonry Coating

**GENERAL DESCRIPTION**

Perma-Crete Exterior Solvent Acrylic Masonry Coating is a high build solvent-borne acrylic coating for use on masonry surfaces such as tilt up concrete, cement and brick. Perma-Crete Solvent Acrylic will bridge hairline cracks and is a self-priming coating that can be applied down to temperatures of 20°F (-6°C). It is ideal for new and old concrete on a variety of exterior masonry projects including high-rise apartments and condominiums, warehouses, hospitals, schools, hotels, and commercial structures.

**RECOMMENDED SUBSTRATES**

|                      |                     |         |
|----------------------|---------------------|---------|
| Brick                | Fiber Cement Siding | Tilt-Up |
| Concrete             | Masonry             |         |
| Concrete Block (CMU) | Stucco              |         |

**CONFORMANCE STANDARDS**

VOC compliant in all regulated areas

**TINTING AND BASE INFORMATION**

4-9110 Primer/Finish (White)

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

**FEATURES AND BENEFITS****Features**

Low Temperature Application to 20°F (-6°C)  
 Self-Priming  
 Bridges Hairline Cracks  
 Good Adhesion  
 High Build  
 UV Resistance  
 Alkali Resistance  
 Efflorescence Resistance

**Benefits**

Extends the painting season  
 Convenience during usage  
 Minimizes surface imperfections  
 More forgiving on a variety of substrates  
 Extra protection in a few coats  
 Extends newly painted look  
 Can apply to fresh concrete at 7 days and a pH less than 13  
 Minimizes white crusty salt deposits

**PERFORMANCE DATA**

| Property                        | Test Method | Results  |
|---------------------------------|-------------|--|
| Adhesion                        | ASTM D3359  | Pass   |
| Alkali/Efflorescence Resistance | TT-P-1511B  | Pass, no efflorescence, blistering or saponification |

**PRODUCT DATA**

**PRODUCT TYPE:** Solvent Acrylic  
**SHEEN:** Flat  
**VOLUME SOLIDS:** 53% +/- 2%  
**WEIGHT SOLIDS:** 71% +/- 2%  
**WEIGHT/GALLON:** 11.7 lbs. (5.3 kg) +/- 0.2 lbs. (91 g)  
**VOC:** <400 g/L (3.3 lbs./gal.)

**COVERAGE:** 100 sq. ft. (9 sq. meters) per US gal. (3.78L)

Wet Film Thickness: 16 mils  
 Wet Microns: 406  
 Dry Film Thickness: 8,5 mils  
 Dry Microns: 216

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

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

To Touch: 4 hour  
 To Recoat: 16 to 24 hours

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

**CLEANUP:** Clean tools with mineral spirits.

**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:** 102°F (39°C)

## 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. When applied to an uncoated substrate, two coats are required, with the first coat acting as the 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. Dry substrate thoroughly to a moisture content under 12%.

**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 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.

**FIBER CEMENT:** Fiber cement siding and trim may present potential adhesion, alkali burn, and efflorescence problems. New board should be aged for at least 30 days prior to priming and painting. The pH of the substrate must be less than 13 and the moisture content must be less than 12% prior to priming and topcoating. All cracks and opens seams should be caulked to prevent water penetration. Preprimed board from the manufacturer may not be uniformly or completely sealed. It is recommended that an alkali resistant primer be applied to ensure complete and uniform sealing prior to topcoating.

**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.

**TILT-UP or PRE-CAST CONCRETE:** New tilt-up or pre-cast should cure for at least 30 days and preferably 90 days prior to priming and painting. The pH of the substrate must be less than 13 before priming with an alkali resistant primer. Moisture content should be less than 12% prior to priming and topcoating. All bond breakers, release agents, and admix plasticizers must be removed to prevent adhesion problems. Bond breakers and similar surface contaminants should be removed as directed by the tilt-up manufacturer which can include specific cleaners, powerwashing, and/or surface profiling by mechanical methods. 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. Additional surface preparation guidelines can be found by referring to Technical Bulletin AF-2008-8 Guide on Painting Tilt-Up Concrete. Information or a copy of the bulletin can be obtained by calling 1-800-441-9695.

## RECOMMENDED PRIMERS

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

## PACKAGING

5-Gallon (18.9 L)

## LIMITATIONS OF USE

Apply only when air and surface temperatures are above 20°F (-6°C) and surface is at least 5°F (3°C) above the dew point. Air and surface temperatures must remain above 20°F (-6°C) for the next 24 hours. Do not apply when air or surface temperature is below 20°F (-6°C) or above 90°F (32°C). Do not apply in late afternoon if condensation or dew is likely to occur or when rain or snow is expected within 24 hours. For optimum application properties, bring material to 50 to 80°F (10 to 27°C) temperature range prior to mixing or application.

Not recommended for EIFS (synthetic stucco).

Explosion-proof equipment must be used when coating with these materials in confined areas. Keep containers closed and away from heat, sparks, and flames when not in use.

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

## 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 by airless spray. After spray application, while the coating is still wet and workable, perform a final pass in one direction with a high quality natural roller cover to achieve a uniform appearance. Apply by brush to small areas only. Maintain a wet edge for sheen uniformity.

**Airless Spray:** Minimum requirements: Pressure 2800-3000 psi, tip 0.039", flow rate 2.0 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 Natural Bristle Brush

**Roller:** 3/4" - 1" nap lambs wool cover for smooth surfaces; 1" nap lambs wool cover for rough surfaces

**Thinning:** Do not thin.

### Permissible temperatures during application:

|            |            |            |
|------------|------------|------------|
| Material:  | 50 to 80°F | 10 to 27°C |
| Ambient:   | 20 to 90°F | -6 to 32°C |
| Substrate: | 20 to 90°F | -6 to 32°C |

## PRECAUTIONS

### **DANGER! COMBUSTIBLE LIQUID AND VAPOR. HARMFUL IF ABSORBED THROUGH SKIN. HARMFUL OR FATAL IF SWALLOWED. CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION.**

Sanding and grinding dusts may be harmful if inhaled. Inhalation of high concentrations of vapor may affect the central nervous system. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. High vapor concentrations can cause headaches, dizziness, drowsiness and nausea and may lead to unconsciousness. This product contains crystalline silica which can cause lung cancer or silicosis. The risk of cancer depends on the duration and level of exposure to dust from sanding surfaces or mist from spray applications. Can enter lungs and cause damage. Keep away from heat and flame. Do not breathe vapor or mist. Do not swallow. Do not get on skin or clothing. 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. In case of contact, immediately flush skin with plenty of water while removing contaminated clothing and shoes. Get medical attention immediately. 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 SDS is available from your retailer or by calling (412) 492-5555. EMERGENCY SPILL INFORMATION: (412) 434-4515 (U.S.).

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