GENERAL DESCRIPTION

Perma-Crete Concrete Stucco Primer is specifically designed for exterior, above ground, non-staining wood, fiber cement, wallboard, stucco, concrete, and masonry surfaces. *Perma-Crete* Concrete Stucco Primer is formulated to provide a uniform seal, good holdout, adhesion, alkali and blister resistance, and mildew resistance on the dry film. *Perma-Crete* Concrete Stucco Primer is ideal for use on a variety of exterior masonry projects including apartments and condominiums, hospitals, schools, parking garages, hotels, resorts, and residential homes.

RECOMMENDED SUBSTRATES

Brick	Masonry
Concrete	Stucco
Concrete Block (CMU)	Tilt-Up/Pre-Cast Concrete
Fiber Cement	Wood

CONFORMANCE STANDARDS

VOC compliant in all regulated areas
MPI approved in category 3

TINTING AND BASE INFORMATION

4-503 White (Tintable)

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

PACKAGING

5-Gallon (18.9 L)

PRODUCT DATA

PRODUCT TYPE:	100% Acrylic Latex
SHEEN:	Flat
VOLUME SOLIDS:	37% +/- 2%
WEIGHT SOLIDS:	49% +/- 2%
WEIGHT/GALLON:	10.6 lbs. (4.8 kg) +/- 0.2 lbs. (91 g)
VOC:	<100 g/L (0.8 lbs./gal.)

COVERAGE: 250 to 450 sq. ft. (23 to 42 sq. m) per US gal. (3.78L)

Wet Film Thickness:	3.6 mils to 6.4 mils
Wet Microns:	91 to 163
Dry Film Thickness:	1.3 mils to 2.4 mils
Dry Microns:	33 to 61

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 @ 77ºF (25ºC); 50% relative humidity.

To Touch:	30 minutes
To Recoat:	1 to 2 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 200ºF (93ºC)

FEATURES AND BENEFITS

Features	**Benefits**
Alkali Resistance	Can apply to fresh concrete at 7 days and a pH less than 13
Efflorescence Resistance	Minimizes white crusty salt deposits
Seals and Prepares Recommended Substrates	Minimizes moisture damage and prepares the surface for topcoating
Adhesion	Minimizes peeling and cracking
Excellent Application Properties	Reduces application time and provides a natural uniform appearance
Mildew Resistant Coating	Mildew and fungal growth resistance on paint film

PERFORMANCE DATA

Property	**Test Method**	**Results**
Flexibility	ASTM D522B	Pass
Mildew Resistance	ASTM D5590	No growth
Alkali Resistance	TTP-1511B	Passes: no efflorescence, blistering, saponification
Adhesion	ASTM D3359	Passes

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.

Dry substrate thoroughly to a moisture content under 12%. Clean laitant substrates in good condition by sweep blasting, power washing, wire brushing, etc. to remove loose material. After cleaning, vertical substrates that are laitant, may be conditioned with a coat of *Perma-Crete* Exterior Acrylic Clear Masonry Surface Sealer 4-808.

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, CONCRETE, MASONRY and STUCCO: New concrete and masonry should cure for at least 7 days and preferably 30 days prior to priming and painting. The pH of the substrate must be less than 13 before priming. Painting glazed brick is not recommended due to potential adhesion problems.

FIBER CEMENT: Fiber cement board may present potential adhesion, alkali burn, and efflorescence problems. New board should be aged for at least 7 days and preferably 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. Pre-primed board from the manufacturer may not be uniformly or completely sealed. It is recommended that a primer be applied to ensure complete and uniform sealing prior to topcoating.

TILT-UP or PRE-CAST CONCRETE: New tilt-up or pre-cast should cure for at least 7 days and preferably 30 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.

WOOD: Unpainted wood or wood in poor condition should be sanded smooth, wiped clean, then primed. Any knots or resinous areas must be primed before painting. Countersink all nails, putty flush with surface, then prime. Staining or tannin bleeding woods (like cedar or redwood) require two coats. The first coat must be completely dry before re-coating. For optimum tannin blocking performance, allow the first
coat to dry a full 24 hours prior to the application of a second coat.

LIMITATIONS OF USE

Apply only when air, surface, and product temperatures are between 50°F (10°C) and 90°F (32°C) and at least 5°F (3°C) above the dew point. Air and surface temperatures must remain between 50°F (10°C) and 90°F (32°C) for the next 24 hours. Avoid painting in direct sunlight or on hot surfaces. Do not apply late in the day when dew and condensation are likely to form or if rain is expected.

PROTECT FROM FREEZING. 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. USE WITH ADEQUATE VENTILATION. 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, paint pad, or by spray equipment.

Airless Spray: Pressure 1800 - 2400 psi, tip 0.015" - 0.021", flow rate 1/2 gal/minute. Spray equipment must be handled with due care and in accordance with manufacturer's recommendation. High-pressure injection of coatings into the skin by airless equipment may cause serious injury.

Brush: Polyester/Nylon Brush
Roller: 3/8" - 3/4" nap roller cover
Thinning: Do not thin.

Permissible temperatures during application:

Material:	50 to 90ºF	10 to 32ºC
Ambient:	50 to 90ºF	10 to 32ºC
Substrate:	50 to 90ºF	10 to 32ºC

PRECAUTIONS

WARNING! HARMFUL IF SWALLOWED. CAUSES RESPIRATORY TRACT AND EYE IRRITATION. MAY CAUSE ALLERGIC RESPIRATORY REACTION. Sanding and grinding dusts may be harmful if inhaled. 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. 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. 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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