Architectural Coatings

Perma-Crete 100% Acrylic High Build Interior/Exterior Flat

GENERAL DESCRIPTION

Perma-Crete 100% Acrylic High Build elastomeric is specifically designed for interior and exterior, above grade, concrete and masonry substrates requiring high performance protection. It is alkali, moisture and efflorescence resistant. *Perma-Crete* 100% Acrylic High Build provides resistance against water, UV light, staining and is permeable. It passes ASTM D6904 for wind driven rain. *Perma-Crete* 100% Acrylic High Build provides a highly durable and tough exterior waterproof coating. This *Perma-Crete* high build topcoat is ideal for tilt-wall, CMU, stucco, and fiber cement structures.

RECOMMENDED SUBSTRATES

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

CONFORMANCE STANDARDS

Compliant with all US VOC Regulations as of 10/2026

TINTING AND BASE INFORMATION

4-22XI	White
4-26XI	Midtone Base*
4-40XI	Ultra Deep Base*

*Must be tinted before use. 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
SHEEN:	Flat
VOLUME SOLIDS*:	45% +/- 2%
WEIGHT SOLIDS*:	61% +/- 2%
WEIGHT/GALLON*:	11.8 lbs. (5.4 kg) +/- 0.2 lbs. (91 g)
VOC:	< 100 g/L (0.8 lbs./gal.)

*Product data calculated on product 4-22XI.

COVERAGE: Approximately 125 to 225 sq. ft. (12 to 21 sq. meters) per U.S. gallon (3.78 L).

Wet Film Thickness:	7 mils to 13 mils
Wet Microns:	178 to 330
Dry Film Thickness:	3.2 mils to 5.8 mils
Dry Microns:	81 to 147

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:	1 hour
To Recoat:	4 hours

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

CLEANUP: Clean tools 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
Exceptional Dirt Resistance	Stays clean to extend the coatings life cycle
Excellent Flexibility and Durability	Resists cracking and peeling from thermal movement of the substrate
Resists Wind Driven Rain	Water resistance requires 2 coats of a pinhole free film
High Build	Provides more protection in fewer coats than conventional paints
Tensile Strength	Film elongation and recovery integrity is maintained with thermal expansion and contraction
Mildew Resistant Coating	Mildew and fungal growth resistance on the paint film
UV Resistance	Withstands the harshest conditions
Alkali Resistance	Can apply to fresh concrete at 7 days and a pH less than 13
Application down to 35°F (2ºC)	Extends painting season

PERFORMANCE DATA

Property	Test Method	Results
Resistance to Wind Driven Rain	ASTM D6904	Passes: pinhole free film, one coat each; 4-603XI *Perma-Crete* Primer @ 2 mils DFT and 4-22XI *Perma-Crete* High Build @ 5 mils DFT Passes: pinhole free film, two coats; 4-22XI *Perma-Crete* High Build @ 5 mils DFT per coat Passes: pinhole free film, one coat each; 4-603XI *Perma-Crete* Primer @ 2 mils DFT, 4-50 *Perma-Crete* Texture @ 9 mils DFT, and 4-22XI *Perma-Crete* High Build @ 5 mils DFT Passes: pinhole free film, one coat each; 4-50 *Perma-Crete* Texture @ 9 mils DFT and 4-22XI *Perma-Crete* High Build @ 5 mils DFT
Elongation	ASTM D2370	95% @ 9.5 mils DFT
Tensile Strength	ASTM D2370	336 psi @ 9.5 mils DFT
Flexibility	ASTM D522, Method B	Passes
Mildew Resistance	ASTM D5590	No growth
Water Vapor Permeance	ASTM D1653	32 perms @ 5 mils DFT

Read Label and Safety Data Sheet prior to use. See other cautions on last page.

GENERAL SURFACE PREPARATION

Surface must be clean and dry. Remove all loose and peeling paint, dirt, mildew, grease, oil, chalk, rust, form release agents, curing compounds, and other surface contaminants. Cure masonry substrates at least 7 days before painting. Substrate pH must be 13 or lower. Repair all moisture problems. Blistering and peeling issues are commonly caused by moisture behind the paint film. 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. After cleaning, chalky and porous masonry surfaces may be primed with *Perma-Crete* Exterior Masonry Surface Sealer 4-808 (Clear) or 4-809 (Pigmented). Tilt up concrete surfaces may be primed with one coat of *Perma-Crete* Interior/Exterior Acrylic Latex Alkali Resistant Primer 4-603XI.

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. Follow these instructions to control exposure to 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 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. 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 HT-2 *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 in most applications, but other primers that can be used are:

Brick	4-503, 4-808, 4-809, 4-603XI, 17-921XI
Concrete Block (CMU)	4-100XI, 4-503, 4-603XI, 17-921XI
Concrete/Masonry	4-503, 4-808, 4-809, 4-603XI, 17-921XI
Fiber Cement Siding	4-503, 4-603XI, 17-921XI
Stucco	4-503, 4-808, 4-809, 4-603XI, 17-921XI
Tilt-Up/Precast Concrete	4-603XI, 17-921XI

PACKAGING

5-Gallon (18.9 L)

LIMITATIONS OF USE

Apply only when air, surface, and product temperatures are 35°F (2°C) or above and 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 48 hours. Do not apply late in the day when dew and condensation are likely to form or if rain or snow is expected. Not recommended for use on surfaces demonstrating hydrostatic or high vapor pressure or for immersion service. Do not use on floors. Always back roll the surface when applied by spray to achieve a pinhole free film.

PROTECT FROM FREEZING.

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 using and occasionally when in use. When using more than one container of the same color, intermix to ensure color uniformity. USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN. 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 (nap size – 3/8" for smooth surfaces and up to 3/4" for rough or textured surfaces), paint pad, or by spray equipment. Where necessary, apply a second coat and allow each coat to dry thoroughly before applying the next coat. Apply one or two coats as required. Two pinhole-free coats at five mils DFT each (10 mils DFT total) are required for wind-driven rain protection.

Airless Spray: For airless spray application, use tip size .017" to .021" and pressure range of 1800 to 2400 psi. 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: Nylon/Polyester Brush
Roller (nap roller cover): 3/8" - 3/4"

Thinning: Do not thin.

Permissible temperatures during application:
Material: 35 to 90ºF (2 to 32ºC) Ambient: 35 to 100ºF (2 to 38ºC) Substrate: 35 to 100ºF (2 to 38ºC)

PRECAUTIONS

For warning information, please refer to the product label and SDS available at the online listing for this product at www.pittsburghpaintsco.com. Keep container tightly closed and sealed until ready for use. SDS, spill, and emergency information are available by calling 1-833-477-1553.

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