

PERMA-CRETE 100% ACRYLIC MASONRY SURFACE SEALER INTERIOR/EXTERIOR 4-808C, 4-809C

Water based product, Satin sheen

Technical Data Sheet



Technical Specifications (21°C (70°F))

Solids by Volume* – 17% (+/- 2%)

Solids by Weight *– 23% (+/- 2%)

Volatile Organic Compounds (VOCs)*

According to ASTM D3960-05: 228 g/L

Canadian regulation: < 400 g/L

Colour

4-808C Clear, 4-809C (pigmented, white base)

Gloss Level – Sheen: Satin, normally penetrates to a flat sheen

Practical Coverage

200 - 400 sq. ft. per gallon

18 – 37 sq. per sq. m/3.78 L

(Actual coverage will vary depending on substrate and application method.)

Resin Type

• 100% Acrylic

Viscosity* Ready to use (68 - 73 Krebs Units)

Flammability- Flash Point* Over 200° (93°C)

Recommended Film Thickness*

Wet: 4.0 mils to 8.0 mils Dry: 0.7 mils to 1.3 mils

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 @70°F (21°C); 50% relative humidity

To Touch: 15minutes To Recoat: 1 to 3 hours

*Product data collected on 4-808C

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.

- 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 washing with 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 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 4-808C or Pigmented Masonry Surface Sealer 4-809C.

Product Description

PERMA-CRETE® Interior/Exterior Acrylic Masonry Surface sealers are fast drying, waterborne, clear or white acrylic sealer used primarily to seal chalky or porous stucco, concrete or masonry walls prior to painting or waterproofing. They are designed to deeply penetrate and seal new, porous surfaces and old dusty or chalky paint films and substrates. Finish with architectural primers and topcoats suitable for concrete and masonry, elastomerics, and waterborne epoxies (interior only). These PERMA-CRETE Interior/Exterior Masonry Surface Sealers are ideal on new and old concrete for use on a variety of exterior masonry projects including high-rise apartments and condominiums, warehouses, hospitals, schools, concrete parking garage overheads, hotels and commercial structures.

Features and Benefits

Feature	Benefit
Seals Chalky Surfaces	Improves the bond primer and/or topcoat
Excellent Adhesion	Improves durability of finish
Protects Porous Surface	Penetrates and seals recommended substrates
Binds Laitance	Entraps the gritty surface typical of new concrete
Clear (4-808C)	Maintains natural appearance and minimizes dirt pick-up
Pigmented (4-809C) (white base)	Tintable to a range of Master Palette colours

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Precaution: Dry sanding, flame cutting and/or welding of dry paint film will give rise to dust and/or hazardous fumes. Wet sanding should be used wherever possible. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used.

BRICK: New brick and mortar 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 10 before priming. 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 priming and painting. The pH of the substrate must be less than 10 before priming.

CONCRETE/MASONRY BLOCK: Mortar should cure for at least 30 days and preferably 90 days prior to priming. Fill block with an appropriate block filler. 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 recheck adhesion

FIBRE CEMENT: Fibre 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 10 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 an alkali resistant primer be applied to ensure complete and uniform sealing prior to topcoating.

STUCCO: New stucco 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 10 before priming. Surface chalk from the curing or aging process should be removed then sealed with this 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 10 before priming. Moisture content should be less than 12% prior to priming and top-coating. 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, power washing, 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. Primer with 4-808C and 4-809C.

Application

Stir or shake thoroughly before use and occasionally during application.

Brush: Polyester/Nylon Brush

Roller: 15-20mm nap synthetic roller cover

Airless Spray: Minimum requirements: Pressure 1800-2400 psi, tip 0.0013"; flow rate ½ 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 injury.

Thinning: Not recommended

Limitations of Use

Do not apply when air or surface temperature is below 35°F (2°C) or above 100°F (38°C). Surface temperature must be at least 5°F (3°C) above dew point. Air and surface temperatures must remain above 35°F (2°C) for the next 24 hours. Do not apply in cold, damp conditions. Avoid exterior application late in the day when dew or condensation is likely to form or when rain or snow is expected. For optimum application properties, bring material to 50-85°F (10-29°C) temperature range prior to mixing or application.

Storage and Transportation

Keep product cool and dry.

DO NOT FREEZE

Disposal

Consult your municipality about proper disposal procedures in accordance with the laws and respect the environment or give leftover paint to someone who could use it: a neighbour or friend, a recreational service or a non-profit organization. Do not pour leftover product down the drain.

Safety Measures

Read the Material Safety Data Sheet. Avoid contact with eyes. Keep out of reach of children. Use only in well ventilated areas.

FIRST AID TREATMENT: If in contact with eyes, rinse thoroughly with clear water. If swallowed, do not induce vomiting. Call poison centre or physician immediately.

For product information call: 1-(800)-387-3663
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