PERMA-CRETE®
LTC CONCRETE BLOCK and MASONRY SURFACER/FILLER INTERIOR/EXTERIOR 4-100C

Water based product, Flat finish

Technical Data Sheet

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

Solids by Volume – 58% (+/- 2%)
Solids by Weight – 63% (+/- 2%)

Volatile Organic Compounds (VOCs)

According to ASTM D3960-05: 63 g/L
Canadian regulation: < 100 g/L

Colour

4-100C White

Gloss Level- Flat

Practical Coverage

80 - 100 sq. ft. per gallon, 7 – 9 sq. m/3.78 L
(Actual coverage will vary depending on substrate and application method.)

Note: To achieve wind driven rain resistance and maximum elongation, the product must be applied as a 3 coat system: 4-100C and any appropriate PERMA-CRETE topcoat as specified on technical data sheet below.

Resin Type

• 100% Acrylic

Viscosity Ready to use (110 - 120 Krebs Units)

Flammability

Flash Point Over 200ºF (93ºC)

Recommended Film Thickness

Wet: 16 mils to 20 mils Dry: 9.3 mils to 11.6 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: 1 hour To Recoat: 24 hours

Product Description

PERMA-CRETE® LTC Concrete Block & Masonry Surfacer 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 LTC Concrete Block & Masonry Surfacer 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 LTC Concrete Block & Masonry Surfacer 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.

Features and Benefits

Feature	Benefit
Resists Wind Driven Rain	Water resistance requires 3 coat system @ standard coverage rate: 4-100C, 4-22C, 4-50C, 4-60C
Low Temperature Cure/Application to 35°F (2ºC)	Longer 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

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.

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Available at Dulux Paints Stores across Canada and Betonel-Dulux Stores in Québec

- Clean surfaces per ASTM Standard Practice D425883: 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 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 4-808C or Pigmented Masonry Surface Sealer 4-809C.

  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 7 days and preferably 30 days prior to painting. The pH of the substrate must be less than 13.(Use of an alkali resistant primer such as Dulux Weatherguard 1535 or Dulux Gripper 60000 is recommended after application of block filler.) 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. (Use of an alkali resistant primer such as Dulux Weatheruguard 1535 or Dulux Gripper 60000 is recommended after application of block filler.)

CONCRETE/MASONRY BLOCK: Mortar should cure for at least 7 days and preferably 30 days prior to painting. (Use of an alkali resistant primer such as Dulux Weatherguard 1535 or Dulux Gripper 60000 is recommended after application of 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 re-check adhesion. Use 4-100C Perma-Crete LTC Masonry Surfacer.

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.(Use of an alkali resistant primer such as Dulux Weatherguard 1535 or Dulux Gripper 60000 is recommended after application of block filler.) 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.

Application:

Stir thoroughly before use.

Application Equipment:

Brush: High Quality Polyester/Nylon Brush

Roller: 15-25 mm 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 (473 mL) per 5 gallon (18.9L) of this product.

Airless Spray: Minimum requirements: Pressure 2000-2800 psi, tip 0.019" - 0.027", 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.

Permissible temperatures during application:

Material:	35 to 100°F 2 to 38°C
Ambient:	35 to 100°F 2 to 38°C
Substrate:	35 to 100°F 2 to 38°C

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 50ºF (10ºC) 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.

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.