

GENERAL DESCRIPTION

PERMA-CRETE PITT-FLEX Elastomeric Coating is specifically designed for above grade, masonry substrates that require the ultimate match of flexibility and durability. Its new and improved formula offers exceptional dirt resistance, alkali resistance for applications on fresh concrete of at least 7 days old and with a pH of less than 13 and application down to 2°C. Its 100% acrylic high build formula bridges cracks and masks surface imperfections. PITT-FLEX Elastomeric Coating protects against wind-driven rain. PERMA-CRETE elastomeric is ideal for use on a variety of exterior masonry projects including high-rise apartments and condominiums warehouses, hospitals, schools, hotels and commercial and residential structures.

RECOMMENDED SUBSTRATES

Brick	Concrete
Concrete Blocks and Masonry	Fibre Cement Siding
Stucco	Tilt-Up Concrete

See details in the “recommended primers” section.

CONFORMANCE STANDARDS

- MPI #113 Elastomeric, Pigmented, Exterior, Water Based, Flat.
- Complies with the Canadian Volatile Organic Compound Concentration Limits for Architectural Coatings Regulations.

TINTING AND BASE INFORMATION

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

4-110XIC	White & Pastel Base	<i>tintable.</i>
4-140XIC	Ultra Deep Base*	<i>*Must be tinted before use.</i>

Some colours, drastic colour changes, or porous substrates may require more than one coat to achieve a uniform finish.

PACKAGING

3.78 L & 18.9 L Not all products are available in all sizes.

PRODUCT DATA

PRODUCT TYPE:	100% Acrylic Latex
SHEEN:	Flat
VOLUME SOLIDS*:	45% ± 2%
WEIGHT SOLIDS*:	58% ± 2%
VOC*:	< 50 g/L
DENSITY*:	1.3 kg/L

*Product data calculated on product 4-110XIC.
SPREADING RATE PER COAT: 9 to 12.5 m² (100 to 135 ft²) per 3.78 L.

Wet Film Thickness:	302 to 407 microns 12 to 16 mils
Dry Film Thickness:	135 to 183 microns 5.3 to 7.2 mils

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

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

To Touch:	1 hour
To Recoat:	24 hours

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

Permissible temperatures during the application:

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

CLEANUP: Remove as much product quantity as possible and clean tools with lukewarm soapy water immediately after use.

DISPOSAL: Consult your municipality in order to dispose of paint residues according to environmental regulations. Do not pour down a drain or storm sewer.

FLASH POINT: Over 93 °C (200 °F)

FEATURES / BENEFITS

Features

- Exceptional dirt resistance
- Excellent flexibility and durability
- Resists Wind-Driven Rain
- High Build
- Tensile Strength
- Mildew resistant coating
- UV Resistance
- Alkali Resistance
- Application down to 2°C
- MPI #113 approval
- Low VOC formula, < 50 g/L

Benefits

- Stays cleaner longer.
- Resists cracking and peeling due to movement of the substrate.
- Water resistance requires 2 coats of a pinhole free film.
- Provides more protection in fewer coats.
- Film integrity is maintained when expansion and contraction occurs.
- Mildew resistance on the coating film.
- Looks new.
- Can apply to fresh concrete of at least 7 days old and with a pH of less than 13.
- Extends the painting season.
- Meets strict performance and aesthetic requirements.
- Complies with the Canadian Volatile Organic Compound Concentration Limits for Architectural Coatings Regulations.

PERFORMANCE DATA

Property	Test Method	Results
Resistance to Wind-Driven Rain	ASTM D6904	Passes: 1 coat of PERMA-CRETE Block Filler 4-100XIC @ 406 - 457 µm [16 - 18 mils] WFT & 1 coat of PERMA-CRETE Elastomeric 4-110XIC @ 356 - 406 µm [14 - 16 mils] WFT. Passes: 2 coats of PERMA-CRETE Elastomeric 4-110XIC @ 356 - 406 µm [14 - 16 mils] WFT.
Elongation	ASTM D2370	340%
Tensile Strength	ASTM D2370	300 psi
Flexibility	ASTM D522 B	Passes.
Mildew resistance on the paint film	ASTM D5590	No growth.
Water Vapor Permeance	ASTM D1653	33 perms @ 157 microns (6.2 mils) DFT (1 ct) 21 perms @ 305 microns (12 mils) DFT (2 cts)

LIMITATIONS OF USE

PROTECT FROM FREEZING. USE WITH ADEQUATE VENTILATION. **KEEP OUT OF REACH OF CHILDREN.**

Apply only when air and surface temperatures are above 2°C and at least 3°C above the dew point. Air and surface temperatures must remain above 2°C for the next 24 hours. For optimum application properties, bring material to at least 10°C prior to application. Avoid exterior applications late in the day when dew and condensation are likely to form or if rain or snow is expected.

Surface pH limitation is 7 - 13.

Not recommended for use on surfaces demonstrating hydrostatic or high vapour pressure or for immersion service. Do not use on floors.

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.

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 or 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 or 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* Acrylic Masonry Surface Sealer 4-809C.

Tilt up concrete surfaces may be primed with one coat of Acrylic Latex Alkali Resistant Primer.

PRECAUTION: Dry sanding will give rise to dust and/or hazardous fumes. Wet sanding should be used wherever possible. Wear suitable respiratory protective equipment when exposure cannot be avoided by adequate local ventilation. Clean up carefully with a HEPA vacuum and a wet mop. Follow these instructions to control exposure to hazardous substances that may be released during surface preparation. **WARNING!** If you scrape, sand, or remove old paint, you may release lead dust. **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. Contact a regional Health Canada office for more information. Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

BRICK: Prior to *PITT-FLEX* application, mortar should cure for at least 7 days and preferably 30 days. The pH of the substrate must be less than 13. Note: Painting glazed brick is not recommended due to potential adhesion problems.

CONCRETE & MASONRY BLOCK: Prior to *PITT-FLEX* application, concrete or mortar should cure for at least 7 days and preferably 30 days. The pH of the substrate must be less than 13. Surfaces previously coated with water thinned cement-based paint must be prepared with extra care. Check adhesion by applying a piece of masking tape. If the material appears to be adhering tightly, a masonry sealer may be applied to seal the surface. If the sealer peels off and has loose particles, remove all chalking or crumbling material, reseal and recheck adhesion.

FIBRE CEMENT SIDING: Fibre cement board may present potential adhesion, alkali burn, and efflorescence problems. Prior to priming and *PITT-FLEX* application, fibre cement should cure for at least 30 days and preferably 90 days. The pH of the substrate must be less than 13 and the moisture content must be less than 12% prior to priming and *PITT-FLEX* application. Caulk all cracks and open seams 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: Prior to *PITT-FLEX* application, stucco should cure for at least 7 days and preferably 30 days. 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 PRECAST CONCRETE: New tilt-up or precast should cure for at least 30 days and preferably 90 days prior to priming and *PITT-FLEX* application. The pH must be less than 13 before priming with an alkali resistant primer or topcoating. Moisture content must 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, 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. Contact your local representative for a copy of this bulletin.

Before use, be sure to read and follow the instructions and warnings on the label.

Contact your local representative for any additional surface preparation guidelines.

RECOMMENDED PRIMERS

Brick, concrete, masonry and stucco:

Self-priming, *Perma-Crete 4-809C*, *SealGrip 17-921C*, *Dulux Gripper 60000*

Concrete blocks:

Self-priming, *Perma-Crete 4-100XIC*, *SealGrip 17-921C*, *Dulux Gripper 60000*

Fibre Cement Siding and Tilt-Up or Precast Concrete:

SealGrip 17-921C, *Dulux Gripper 60000*

APPLICATION INFORMATION

KEEP OUT OF REACH OF CHILDREN. USE WITH ADEQUATE VENTILATION. Read all label and Material Safety Data Sheet (SDS) information prior to use. SDS are available from your retailer, through our website or by calling 1-800-463-7426.

Stir thoroughly before use and occasionally when in use. When using more than one container of the same colour, intermix to ensure colour uniformity.

Application Equipment: Apply with a high quality synthetic brush, roller, paint pad, or by spray equipment. Maintain a wet edge for sheen uniformity.

Brush: High quality polyester/nylon brush.

Apply by brush to small areas only.

Roller: 20 - 25 mm (3/4 - 1 in.) nap synthetic roller cover.

When applying by roller, the final passes should be completed in a downward direction to ensure a uniform appearance.

Airless Spray: Minimum requirements: Pressure 2000 - 2800 psi, tip 0.019 in. - 0.027 in., flow rate 5.7 L/minute.

Always back roll the surface when applied by spray to achieve a pinhole free film.

Spray equipment must be handled with due care and in accordance with the manufacturer's recommendation. High-pressure injection of coatings into the skin by airless equipment may cause serious injury.

Thinning: DO NOT THIN.

PRECAUTIONS

Keep out of the reach of children. Keep containers tightly closed and sealed until ready for use.

Before using the products listed in this publication, carefully read each product label and follow directions for its use. Use personal protective equipment as required. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this preparation.

Note: These warnings encompass the product series.

WARNING! MAY BE HARMFUL IF SWALLOWED. MAY CAUSE EYE AND SKIN IRRITATION. Avoid breathing vapours, spray or mists. Avoid contact with skin and eyes. Wear protective gloves/clothing and eye/face protection.

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 if irritation develops. If inhaled, remove to fresh air. If experiencing respiratory symptoms call poison centre or doctor/physician.

For workplace use, an SDS are available from your retailer, through our website or by calling 1 800 463-7426.

EMERGENCY SPILL INFORMATION: 1 514 645-1320 or 1 800 463-7426.

LIMITED WARRANTY

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