

PERMA-CRETE PLEX-SEAL™ ACRYLIC CLEAR SEALER EXTERIOR 4-6200C

Water based product, Satin finish

Technical Data Sheet



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

Solids by Volume – 23% (+/- 2%)
Solids by Weight – 25% (+/- 2%)

Volatile Organic Compounds (VOCs)

According to ASTM D3960-05:148 g/L
Canadian regulation: < 250 g/L

Colour: 4-6200C Clear

Gloss Level

Satin (depending on number of coats and porosity of substrate.)

Practical Coverage

300 - 500 sq. ft. per gallon, 28 – 46 sq. m/3.78 L

- On smooth, non-porous substrate. (Coverage figures do not include loss due to surface irregularities and porosity or material loss due to application method or mixing.)

Resin Type

- Acrylic

Viscosity Water thin

Flammability

Flash Point Over 200°F (93°C)

Recommended Film Thickness- Wet: 4.0 mils Dry: 0.9 mils

Drying Time: Dry time @70°F (21°C); 50% relative humidity.

To Touch: 30 minutes To Recoat: 2 hours

Pedestrian Use: 24 hours Vehicle Use: 72 hours

**Drying & recoat times are dependent on temperature, humidity, ventilation and film thickness)*

Certifications - As of August 2014

Approved to: MPI Category #99 (sealer, wb, concrete floor)

Product Description

PERMA-CRETE® Plex-Seal™ Exterior Clear Sealer 4-6200C is a clear, non-yellowing, film forming, water-borne acrylic sealer ideal for use on exterior, above-ground, vertical and horizontal surfaces. This fast drying sealer has excellent adhesion that resists peeling and cracking. PERMA-CRETE® Plex-Seal™ WB is water resistant and seals the surface while maintaining the natural appearance of the substrate. Perma-Crete Plex Seal WB is ideal for use on concrete surfaces such as pool decks, walkways and more.

Features and Benefits	
Feature	Benefit
Excellent Adhesion	Resists peeling and cracking
Alkali Resistance	Can apply to fresh concrete at 7 days and surface pH of less than 13 with 2 coats
Efflorescence Resistance	Minimizes white crusty salt deposits with 2 coats
Application to 35°F (2°C)	Longer painting season
Excellent Application Properties	Less time for application and resists pinholing
Moisture Resistance	Extends substrate life
Ideal for Exposed Aggregate	Maintains natural appearance on multiple substrates
Yellowing Resistance	Resists colour change over time

General Surface Preparation

Surfaces to be coated must be dry, clean, sound, and free from all paint and contamination including dirt, grease, oil, wax, concrete curing agents and bond breakers, chalk, efflorescence, mildew, rust, product fines, and dust. Remove all 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.

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- 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. Rinse well.
- 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 4-808C.

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 sealing. The pH of the substrate must be less than 13 before sealing with two coats. 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 sealing. The pH of the substrate must be less than 13 before sealing with two coats.

STUCCO: New stucco should cure for at least 7 days and preferably 30 days prior to sealing. The pH of the substrate must be less than 13 before sealing with two coats. 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 prior to sealing. Vertical substrates may be conditioned with a coat of PERMA-CRETE Exterior Acrylic Clear Masonry Surface Sealer 4-808C.

Application

Brush: High quality Nylon/Polyester Brushes

Roller: Use 5 to 10 mm nap synthetic cover.

Airless Spray: Minimum requirements: Pressure 1800-2400 psi, tip 0 .011"-.013"; flow rate 0.5 gal/minute.

Thinning: Product may be thinned with up to 250ml of clean water per 3.78L for the first coat to aid in priming and penetration. Thinning of additional coats is not recommended.

Note: For proper adhesion, the first coat of the product must penetrate into the surface to mechanically anchor the sealer to the pore structure.

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 some 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

Do not apply to horizontal concrete surfaces that do not have a vapor barrier underneath or to other surfaces where moisture gets behind the sealer.

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. Do not apply when air or surface temperature is below 35°F or above 100°F. For optimum application properties, bring material to 50-90°F. Surface pH limitation is 7-13 for two coat application. Allow 24 hours prior to pedestrian service; 72 hours for vehicle traffic. Not intended for wood. Avoid exposure to solvents; strong acids and bases; wipe up oil and gasoline spills immediately. 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 mould, mildew, and algae. Examples of these conditions include, but are not limited to, under eaves, behind shrubbery and trees, and in areas that are consistently damp with little to no direct sunlight.

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
www.dulux.ca

