

Architectural Coatings

Perma-Crete Aqua-Pel Clear Water Repellent

GENERAL DESCRIPTION

Perma-Crete Aqua-Pel Clear Water Repellent is a waterborne, penetrating, non-film forming product ideal for use on interior/exterior, above-ground, vertical and horizontal surfaces. This product provides excellent water repellency to reduce cracking, spalling, freeze/thaw and chemical damage, mold and mildew growth and dirt pick-up, thereby lengthening substrate life and reducing maintenance cost. *Perma-Crete Aqua-Pel* Clear Water Repellent is ideal for use primarily on architectural concrete, concrete block, splitface block, pavers, stucco, porous and dense brick, clay tile, exposed aggregate concrete, sandstone, and slate.

RECOMMENDED SUBSTRATES

Architectural Concrete	Exposed Aggregate
Brick (Porous & Dense)	Sandstone
Clay Tile	Slate
Concrete Block (CMU)	Splitface Block
Concrete Pavers	

CONFORMANCE STANDARDS

Compliant with all US VOC Regulations Down to 400 g/L
for the Waterproofing Sealers - Concrete Masonry Sealers Category
as of 10/2026
MPI Approved in Category #34

TINTING AND BASE INFORMATION

4-6100 Clear

Do not tint.

PRODUCT DATA

PRODUCT TYPE:	Silane / Siloxane Emulsion
SHEEN:	Not Applicable
WEIGHT SOLIDS:	35% +/- 2%
WEIGHT/GALLON:	7.9 lbs. (3.6 kg) +/- 0.2 lbs. (91 g)
VOC:	< 400 g/L (3.3 lbs./gal.), undiluted < 50 g/L (0.4 lbs./gal.), diluted at 1:9 - 1:14

COVERAGE: Coverage Rates and Dilution Recommendations (Clean Water)

	Coverage ft. ² /gal.	Dilution Ratio (4-6100:Water)
Architectural concrete	150 - 175	1:14
Concrete block	40 - 50	1:9
Splitface block	40	1:9
Concrete pavers	80 - 100	1:9
Stucco	80 - 125	1:9
Porous brick	80 - 100	1:14
Dense brick	100 - 125	1:14
Clay tile	100 - 125	1:14
Exposed aggregate	125 - 150	1:14
Sandstone	80 - 100	1:9
Slate	150 - 175	1:14

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 @ 77°F (25°C); 50% relative humidity.

To Touch:	1 hour
To Handle:	1 hour
For Pedestrian Traffic	24 hours
For Vehicular Traffic	72 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 200°F (93°C)

FEATURES AND BENEFITS

Features

Water Repellent
Protects Porous Surfaces
Clear
Recoatable
Easy Application
MPI #34 Approval

Benefits

Lengthens substrate life and reduces maintenance costs
Penetrates and seals recommended substrates
Maintains natural appearance
Allows flexibility for additional looks and appearances
Turns jobs quickly
Meets strict performance and aesthetic requirements

GENERAL SURFACE PREPARATION

Remove mildew, dirt, oils, grease, wax, release agents, other coatings, chalk, efflorescence, etc. by an appropriate cleaning method. Remove mildew by washing with a mixture of 1 part liquid chlorine bleach to 3 parts water. Rinse surface thoroughly and allow to dry. Before use, be sure to read and follow instructions and warnings on label. Clean laitant substrates in good condition by sweep blasting, power washing, wire brushing, etc. to remove loose material. Dry substrate thoroughly to a moisture content under 12%. Note: All previous sealers and paint must be removed from the substrate surface in order for the product to penetrate and react to provide water repellancy.

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 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.

CONCRETE/MASONRY BLOCK: 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.

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 prior to application.

RECOMMENDED PRIMERS

PACKAGING

Product is self-priming. Refer to surface preparation recommendations. 1-Gallon (128 fl. oz. bottle)

LIMITATIONS OF USE

Apply only when air and surface temperatures are above 40°F (4°C) and at least 5°F (3°C) above the dew point. Avoid painting late in the day when dew or condensation are likely to form or when rain or snow is anticipated within 12 hours. For optimum application properties, bring material to at least 50°F (10°C) prior to application.

Do not apply to horizontal concrete floors that do not have a vapor barrier underneath, or to other surfaces where moisture gets behind the sealer. Not recommended for use on surfaces demonstrating hydrostatic or high vapor pressure or for immersion service. Not intended for wood. Avoid exposure to solvents; strong acids and bases; wipe up oil and gasoline spills immediately.

Substrates which are coated with *Perma-Crete Aqua-Pel* Clear Water Repellent at dilution rates of 1:4 or higher are generally recoatable with water-based and solvent-based paints. Dilutions of less than 1:4 will not be paintable. *Perma-Crete Aqua-Pel* Clear Water Repellent can be used as a primer to provide improved adhesion with paints on mineral substrates. Allow 30 days for the product to react and cure prior to the application of additional coatings. For optimum performance, all diluted material should be applied within same day of preparation.

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 by airless sprayer, conventional sprayer, conventional garden sprayer, or high-quality brush. Apply two light coats of the solution wet-on-wet. Avoid excessive spreading and reworking. To achieve best results for vertical application, start at the bottom of the wall and work in left/right - right/left and upward. Maximum repellency is realized in 72 hours, depending on curing conditions. Beading generally improves over time. Note: Cover and/or protect areas from application and overspray where product is not desired.

Airless Spray: Minimum requirements - Pressure 700-800 psi; tip size .009"-.013"; flow rate 0.5 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.

Conventional Spray: DeVilbiss MBC-510 gun; E tip; 704 Air Cap; 3/8" ID material hose; double regulated pressure tank with oil and moisture separator; 20 psi fluid pressure; 40-60 psi air pressure.

Brush: Nylon/Polyester Brush

Thinning: See dilution recommendations under Coverage.

Permissible temperatures during application:

Material: 50 to 90°F (10 to 32°C)

Ambient: 40 to 100°F (4 to 38°C)

Substrate: 40 to 100°F (4 to 38°C)

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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