

PRODUCT NAME

CP-2000W™

MANUFACTURER

Chemical Products Industries, Inc.
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PRODUCT DESCRIPTION

CP-2000W is a one component, VOC compliant, penetrating, silane/siloxane water repellent. CP-2000W reacts with the silica in concrete and masonry in the presence of ultraviolet light and atmospheric moisture. This reaction forms a strong permanent bond beneath the surface and creates a hydrophobic zone that prevents water molecules from penetrating, while allowing free migration of water vapors. The chemical bonds formed in this process allow CP-2000W to become an integral part of the substrate and provide long-term water repellent protection.

APPLICATIONS

Recommended surfaces include: architectural precast or cast in place, concrete, brick, mortars, natural stones, limestone, granite, sandstone, terra cotta, ceramic tile and grout, adobe, exposed aggregate products, Portland cement stuccos, plaster and concrete masonry units.

Protects horizontal surfaces such as pavements, sidewalks and plazas. It should also be used on vertical surfaces with leaks and or where extra protection is desired.

Also protects bridges, parking decks, airport taxiways and aprons, piers and marine structures, and other surfaces requiring outstanding corrosion resistance and protection from chloride penetration.

For use on brick masonry to protect against the entrance of wind-driven rain.

To reduce the effects of mildew, efflorescence, and stains from concrete and masonry.

ADVANTAGES

Effective on most vertical or horizontal exterior, above-grade concrete and masonry surfaces. Natural substrate color and surface textures are unaffected, with little to no gloss created.

APPEARANCE

CP-2000W is clear, non-yellowing and does not change the color or appearance of typical surfaces to which they are applied. Buildings and structures stay cleaner because conditions which contribute to staining are reduced and dirt rinses away more readily.

BENEFITS

- VOC compliant
- Excellent resistance to water intrusion
- Deep penetration into the substrate
- Protects against salt intrusion/damage
- Freeze thaw protection
- Breathable
- Environmentally friendly
- High resistance to alkali attack

Chemical Products' state-of-the-art protective treatments have developed a reputation by architects and building professionals as the premier solution for water repellents and sealers. Chemical Products' is dedicated to solving the destructive influence water intrusion and other elements have on building materials.

PRETREATMENT FOR PAINT

Water can penetrate through most paints and coatings. This leads to damp substrates and blistering and peeling of paint. Pretreating concrete with CP-2000W prior to painting keeps walls drier and extends the life of the paint. CP-2000W is compatible with most latex and other paints. But to assure compatibility between paint and pretreatment, a small test application is recommended. Note: Do not use a pretreatment or allow overspray on metal or other nonporous surfaces to be painted.

TECHNICAL DATA

Color	milky white liquid
Active substance	silane/siloxane
Active content	20%
Ph	5
Density	8.34#/gal.
VOC	<150 g/l

TEST DATA

NCHRP 244
Series II - 84% Reduction in Water Absorption, 3 day
Series II - 75% Reduction in Chloride Absorption
Series IV - 73% Reduction in Chloride Absorption

ASTM E514 – 100% Reduction in Leakage
ASTM C642 - 94% Water Exclusion
ASTM C67 - 83% Water Exclusion

LIMITATIONS

Not intended for below-grade waterproofing. CP-2000W™ will leave a residue on non-porous substrates such as glass windows, metal frames and painted surfaces. Caution should be taken with specialty coated glass or plastic windows. Check compatibility before application. Protect materials which can be damaged by solvents. Do not apply when following conditions are present:

- Ambient or surface temperature less than 40° F or predicted to fall below 40° F within 24 hours following application.
- Rain within 72 hours prior to application or predicted within four hours after application.
- Wet or frozen substrates.
- High winds which could cause excessive overspray.

Application should be completed by qualified applicator with experience applying water repellents. Application equipment should be clean and free of foreign materials which could be dissolved and deposited on surfaces to be treated. Contact CPI for additional precautions and information on compatibility with specific materials.

INSTALLATION

Best results are obtained by applying CP-2000W on clean and dry substrates. All surfaces must be cleaned to remove all traces of dirt, dust, efflorescence, mold, salt, grease, oil, asphalt, laitance, curing compounds, paint, coatings and other contaminants. Acceptable surface cleaning methods include shotblasting, sandblasting, waterblasting and chemical cleaners. If chemical cleaning agents are used, neutralize and wash off residues completely. Allow surface to dry at least 72 hours after water cleaning. Check with your Chemical Products Industries, Inc. representative to verify suitable cleaning methods, products and that the surface preparation is adequate.

As a standard procedure, fresh concrete should be allowed to dry for 28 days before application. All repointing must be completed and allowed to cure at least 3 days. Concrete repair and replacement must be completed prior to application. Patching materials, caulking, sealing materials, traffic paint must be fully cured before applying CP-2000W. In addition, the actual amount of material that is used for each application is dependent on the absorptive capacity of the substrate.

Before applying, it is recommended that preliminary tests be carried out to determine usage and to test the effectiveness of the treatment.

Application: Spray apply CP-2000W by low-pressure (150 psi maximum) pumping equipment with a wet fan type spray nozzle. Alternate methods include nap roller (1") or by brush. Required application rate varies from 100-200 sq. ft. per gallon depending on surface texture and absorbency.

Vertical Surfaces: Mix well before using. Test small area before starting general application to assure desired results and coverage rates. Apply when surface and air temperatures are between 40°F to 110°F. Provide adequate ventilation.

Apply in a flooding application, from the bottom up so the material runs down 6 to 8 inches below the spray pattern, "wet-

on-wet". A wet treated surface may be agitated with a soft bristle scrub brush to ensure more even distribution and greater penetration. During application, precautions should be taken to protect the surrounding area from overspray. Remove overspray from non-targeted surfaces immediately with soap and water. Apply to southern exposed areas during coolest part of the day.

Horizontal Surfaces: Mix well before using. Pretest to measure material coverage rates. Apply enough material so that solution stands for 60 seconds before completely penetrating the surface. Avoid puddling or ponding, brush or broom to spread material to more porous area. If applicable, block all drains and use absorptive coverings to contain run-off of excess material. To avoid unnecessary clean-up, use soap and water to remove overspray as soon as possible. **Caution: Over application of material may cause darkening of surface.**

Dry Time: To touch, or 2 to 6 hours depending on temperature and humidity.

Clean Up: Thoroughly rinse spray equipment with clean water. Wash rollers with soap and water. Rinse thoroughly.

Precautions: Fire hazards are eliminated since CP-2000W is water-based and does not contain combustible or flammable solvents. Respiratory protection is not required during normal use and handling. Please refer to the Material Safety Data Sheet for more detailed information.

AVAILABILITY

CP-2000W is available in 1, 5 and 55 gallon containers to approved applicators throughout the United States. Contact Chemical Products Industries, Inc. at 800-624-4356 for a sales representative in your area.

TECHNICAL SERVICE

Technical service engineers and chemists are available to answer questions on product performance, application methods and chemical composition.