



AQUA PELLA

WATER-BASED, SILOXANE/SILANE WATER REPELLANT & IMPREGNATING AGENT TECHNICAL DATA & APPLICATION INSTRUCTION

PRODUCT DESCRIPTION

Aqua Pella is a 7.5% active water-based siloxane/silane water repellent and impregnating agent for porous masonry surfaces such as concrete, block, brick, and unglazed tile. **Aqua Pella** will penetrate and chemically bond deep within the substrate to provide long lasting protection against deterioration or staining due to water conditions. **Aqua Pella** will not impair the natural breathing characteristics of treated substrates, nor will it produce a film. **Aqua Pella** will help concrete and masonry surfaces to resist common issues such as cracking, efflorescence, spalling, staining, and other damages caused by intrusion of water.

BENEFITS/FEATURES

- Deeply penetrating porous surfaces, it provides superior water repellancy, while allowing surface to breathe.
- Provides excellent resistance to mold, mildew, and fungus.
- Containing low VOC's and being solvent free allow for safe application in occupied buildings.
- Superior efflorescence and strong alkali resistance compared to common solvent based acrylic sealers.

RECOMMENDED APPLICATIONS

Aqua Pella is recommended for interior and exterior, horizontal or vertical, porous masonry and concrete surfaces where a deep penetrating, water based water repellent is specified.

TECHNICAL INFORMATION

Solids.....	7.5% (active)	Wet Appearance.....	Milky White
Drying Time.....	1 - 2 hours	Dry Appearance.....	Clear and Invisible
Re-Coat Time.....	refer to instructions	VOC Content.....	<0 g/l
Foot Traffic.....	8-12 hours	Blush Resistance.....	Good
Wheel Traffic.....	24-48 hours	Alkalinity Resistance.....	Excellent
Application Temp.....	50°F - 85°F	Concrete Adhesion.....	Excellent

**Please note that low air and/or concrete temperatures and/or relative humidity may extend drying times. Follow recommended coverage rates for best results.

SPECIFICATIONS/COMPLIANCES

DRIED COATING IS USDA ACCEPTED

APPROXIMATE COVERAGE RATES

Concrete Surfaces (Pre-cast, pavers, cast-in place, brick, tile)	150-300 ft ²
Fired Clay Surfaces (Brick, tile, terra cotta, pavers)	100-250 ft ²

**Coverage rates vary depending upon surface porosity and texture, and application method. Excessive build up should be avoided.

PACKAGING & SHELF LIFE

Aqua Pella has a shelf life of up to one year in it's original, sealed, unopened container. **Aqua Pella** is packaged in 1 gallon cans, 5 gallon pails, and 55 gallon drums.

CLEAN-UP & PRODUCT REMOVAL

Cleanup tools, equipment, and any surface or object affected by overspray with soap and warm water. Dispose of containers in accordance with local and federal regulations. Coating deeply penetrates surface; removal is NOT recommended.

SURFACE PREPARATION: Prior to surface preparation, protect people, property, automobiles, plants and any other non-masonry surfaces and objects from the material, wind drift, and splash, residue, and fumes of the material. Protecting and diverting pedestrians and automobile traffic is also recommended. Proper surface preparation is highly important. Use the proper cleaning detergent for the substrate at hand. It is recommended that Aqua Pella be applied on a clean, visibly dry and absorbent surface, although it may be ok to apply on a slightly damp surface as well. Please note that excessive moisture inhibits good penetration, which can reduce the life and performance of the coating. Newly constructed and repointed substrates should be fully cleaned and cured prior to application. Always test for compatibility!

The temperatures of the air and the surface are very pertinent aspects of applying any coating. The minimum temperature of the air and surface must be at least 40° F during application, and for at least 8 hours after. If freezing conditions exist prior to application, it is highly recommended that the substrate be allowed to fully thaw. Should this recommendation not be followed, the siloxane/silane can freeze causing poor penetration and significantly impairing the results of the application. Also, air and surface temperatures should never exceed 95°F. Temperatures at the height will evaporate the water carrier and reduce the penetration as well.

APPLICATION: Proper equipment should be used when applying Aqua Pella. A brush, roller, or low pressure sprayer should be used to apply. If using a sprayer, be sure the psi is no greater than 20. Set the sprayer to achieve a good, wet stream, avoiding atomization of the product. Be sure that any container used for mixing or material handling is clean, free of any debris, and uncontaminated.

Before applying material, please read full technical data sheet for proper preparation, application, and to be sure to follow all safety measures guide lined in this report. Always test any substrate before overall application to ensure desired results. Please test using the following application instructions. Also, let the test area dry completely before final inspection and approval.

HORIZONTAL APPLICATION INSTRUCTIONS: Saturate substrate in a single application with enough material to keep the substrate wet for at least 2-3 minutes before penetration. Broom out puddles until surface is penetrated. Re-apply a second coat. Coated surfaces should dry to touch in approximately one hour. The coated substrate should be protected from weathering conditions for at least 8 hours after application. A neutral pH surface may need several days to achieve full water repellency.

VERTICAL APPLICATION INSTRUCTIONS: For best results, apply Aqua Pella “wet-on-wet” to a dry and absorbent surface. When using a sprayer, saturate from the bottom up while applying enough material for a 4”-8” rundown below the spray contact point. Let the first application penetrate the substrate for at least 5-10 minutes. Re-apply the material; less material will be needed for the second application. When using a brush or roller, saturate the surface uniformly, letting Aqua Pella penetrate for 5-10 minutes. Brush out heavy runs and drips that show signs of no penetration. Apply second coat for maximum protection.

Substrates coated with Aqua Pella can be coated with silicone emulsion paints and many oil based paints as well. Testing is always necessary and recommended to assure proper adhesion. Adhesion may be improved if the surface is pressure washed and allowed to dry prior to application. Aqua Pella is not a paint primer. Adhesion of cementitious coatings, stucco, plaster, etc., may be adversely affected. These types of substrate treatments should be installed and allowed to fully cure before applying Aqua Pella. Always test to verify compatibility.

PLEASE NOTE: It is always recommended to test the product in a small, inconspicuous area (on the same concrete substrate) for desired results prior to application. Coverage rates may vary for all coatings and substrates depending on porosity, density, texture etc. If applying by spray method, extended coverage rates may be achieved, but be aware that less material will be applied and inadequate film formation or performance expectations may be limited.

PRECAUTIONS AND LIMITATIONS

- **Aqua Pella** will freeze during storage. Do not store in areas where temperatures will drop below 32 degrees F.
- It is recommended to store this product in an area where the temperature is between 50 and 80 degrees F.
- Do not allow **Aqua Pella** to be subject to any form of rain or moisture for 18-24 hours after application.
- It is recommended to apply **Aqua Pella** over unsealed concrete only.
- Coverage rates depend upon many conditions including application method, surface porosity, applicator, etc.
- **Aqua Pella** was designed for a water repellent for porous surfaces. Not intended as a decorative topcoat.
- **Aqua Pella** will not keep water out of cracks, defects, or open joints.
- **Aqua Pella** should never be thinned or mixed with any form of liquid or solvent.
- Please know that it may take up to 72 hours for **Aqua Pella** to obtain its water repellency properties.
- **Aqua Pella** may slightly darken the surface of many new and existing concrete slabs. Test prior to use.

SPECIAL NOTES

Please consult Material Safety Data Sheet (MSDS) and read Warranty information prior to use. FOR PROFESSIONAL USE ONLY! DO NOT DILUTE!

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