



## AQUA PELLA SB

### SOLVENT-BASED SILANE/SILOXANE WATER REPELLENT & IMPREGNATING AGENT TECHNICAL DATA & APPLICATION INSTRUCTION

#### PRODUCT DESCRIPTION

**Aqua Pella SB** is a 12% active solvent-based silane/siloxane water repellent & impregnating agent for porous masonry surfaces such as concrete, block, brick & unglazed tile. **Aqua Pella SB** will penetrate & chemically bond deep within the substrate to provide long lasting protection against deterioration or staining due to water conditions. **Aqua Pella SB** will not impair the natural breathing characteristics of treated substrates, nor will it produce a film. **Aqua Pella SB** will help concrete and masonry surfaces to resist common issues such as cracking, efflorescence, spalling, staining & other damages caused by intrusion of water. It also helps protect the surface from damaging effects of water intrusion, acid rain, deicing chemicals and freeze/thaw exposure. Because of its formulation, **Aqua Pella SB** may be applied to a concrete surface that has been previously coated with many solvent based acrylic sealers.

#### BENEFITS/FEATURES

- Deeply penetrating porous surfaces, it provides superior water repellency, while allowing surface to breathe.
- Provides excellent resistance to mold, mildew, & fungus.
- Resists damage caused by deicing salts & freeze/thaw cycles.
- Superior efflorescence & strong alkali resistance compared to common solvent based acrylic sealers.

#### RECOMMENDED APPLICATIONS

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

#### TECHNICAL INFORMATION

Solids.....	12% (active)	Wet Appearance.....	Clear to Slightly Hazy
Drying Time.....	1 - 2 hours	Dry Appearance.....	Clear & Invisible
Re-Coat Time.....	refer to instructions	VOC Content.....	<400 g/l
Foot Traffic.....	8 - 12 hours	Blush Resistance.....	Excellent
Wheel Traffic.....	24 - 48 hours	Alkalinity Resistance.....	Excellent
Application Temp.....	50°F - 85°F	Concrete Adhesion.....	Excellent

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

#### SPECIFICATIONS/COMPLIANCES

Dried Coating is USDA accepted.

#### APPROXIMATE COVERAGE RATES

100-300 sq ft per gallon - *\*Coverage rates vary depending upon surface porosity, texture & application method.*

#### PACKAGING & SHELF LIFE

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

#### CLEAN-UP & PRODUCT REMOVAL

Cleanup tools, equipment, & any surface or object affected by overspray with xylene or soap & warm water. Dispose of containers in accordance with local & federal regulations. Coating deeply penetrates surface; removal is not recommended. Use of a water repellent stripper would be required for removal.

**SURFACE PREPARATION:** All types of substrates and substrate treatments should be installed & allowed to fully cure before applying **Aqua Pella SB**. Adhesion of cementitious coatings, stucco, plaster, etc., may be adversely affected.

Prior to surface preparation, protect people, property, automobiles, plants & any other non-masonry surfaces & objects from the material, wind drift & splash, residue or 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 SB** be applied on a clean, visibly dry & absorbent surface. Please note that excessive moisture inhibits good penetration, which can reduce the life & performance of the coating. The minimum temperature of the air & surface must be between 40°F & 80°F during application, and for at least 8 hours after.

**MIXING:** Stir well before using. Material may separate during long term storage.

Proper equipment should be used when applying **Aqua Pella SB**. A solvent resistant brush, a roller with a 1/4" - 3/8" nap, shed-free, phenolic core roller cover 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 or contamination. A spray and backroll technique is recommended. If **Aqua Pella SB** is being applied over a previous coating of a cure & seal, this technique will reactivate the resin, allowing better penetration and coverage, sealing it off from water and harmful deicers that often cause the deterioration of concrete surfaces. For best results, apply **Aqua Pella SB** "wet-on-wet" to a dry and absorbent surface.

**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. Backroll the material until the surface is penetrated. Re-apply a second coat in the same manner. Coated surfaces should be dry to touch in approximately one hour. The coated substrate should be protected from weather conditions for at least 8 hours after application. A neutral pH surface may need several days to achieve full water repellency.

**VERTICAL APPLICATION INSTRUCTIONS:** Using a sprayer, saturate from the bottom up while applying enough material for a 4"-8" rundown below the spray contact point. Allow the product to penetrate the substrate for 5-10 minutes. Brush out heavy runs & drips that show signs of no penetration. Apply second coat for maximum protection. Re-apply the material; less material will be needed for the second application. Brush out heavy runs & drips that show signs of no penetration.

**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.

## PRECAUTIONS & LIMITATIONS

- **Aqua Pella SB** will not freeze during storage, however, allow product temperature to rise to 50°F before use.
- All HVAC ventilation ducts should be somehow blocked prior to application so solvent fumes are not disturbed.
- If using indoor, use proper ventilation while applying and for hours after application to ensure fumes are removed.
- Keep **Aqua Pella SB** away from flames. It is highly flammable & very susceptible to ignition.
- **Aqua Pella SB** is highly flammable & should be stored in accordance with local laws.
- It is not recommended to apply over carpet, tile or other types of floor adhesives.
- This product performs best when applied as one or two thin even coats, not as one heavy coat.
- This product was designed for use as a water repellent for porous concrete surfaces. Not intended as a topcoat.
- It may take up to 72 hours for this product to obtain its full water repellent properties.
- It is not recommended to thin this product. Improper thinning may cause sealer to delaminate in a short time frame.
- This product may darken the surface of many new and existing concrete slabs. Test prior to use.
- It is recommended to apply **Aqua Pella** over fully cured, unsealed concrete only.
- **Aqua Pella SB** will not keep water out of cracks, defects or open joints.

## SPECIAL NOTES

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