



AQUA-PEL™ WB Water Repellent

251

AQUA-PEL WB Water Repellent No. 251 is a top quality, long lasting, waterborne, penetrating, transparent, reactive silicone elastomer water repellent for above grade masonry and concrete surfaces. It is used on concrete, brick, stone and stucco where a clear, natural looking coating is architecturally desired. *NOTE: Silicone sealers work by depositing a water repellent layer of silicone on the surfaces within pores where the product has penetrated. Therefore, these products are less effective on relatively non-porous materials such as plaster, marble and limestone. Clear silicone sealers are also less effective and not recommended on very porous surfaces such as concrete block.*

This product should not be used on surfaces intended to be painted at a later time (see limitations).

USED FOR	FEATURES
<ul style="list-style-type: none"> • Brick • Concrete • Stucco • Stone 	<ul style="list-style-type: none"> • Clear, invisible protection • Repels water • Allows substrate to breathe • Easy application

RECOMMENDED SYSTEMS

AQUA-PEL WB Water Repellent No. 251 is used on a variety of unsealed masonry and concrete surfaces. **Apply a single, saturating coat (do not allow excess material to run down the wall) of AQUA-PEL WB Water Repellent No. 251 to clean, properly prepared surfaces:**

SUBSTRATE	TYPICAL APPLICATION
Brick:	1 coat
Concrete:	1 coat
Limestone:	Limited recommendation*
Marble:	Limited recommendation*
Natural Stone:	1 coat
Stucco:	1 coat

*Because of low porosity, AQUA-PEL WB Water Repellent No. 251 may not penetrate these surfaces adequately to provide long term protection. *NOTE: See Porter Paints Systems Guides for suitable alternate paint systems for various substrates and conditions.*

LIMITATIONS

Surfaces treated with this product cannot be painted until weathered sufficiently for paint to wet out and penetrate the surface. Always test for adhesion before painting. For best results, allow new masonry and concrete to cure a minimum of 28 days before applying any coating or sealer. Apply when air and surface temperatures are between 50°F (10°C) and 95°F (35°C). **Do not apply to hot surfaces.** Do not apply to any horizontal surface where water may pond. Do not use as a floor sealer.

TECHNICAL DATA

Product Type:	Reactive silicone elastomer
Color:	Milky white liquid-dries clear
Odor:	Mild
Weight/Gallon:	8.3 lb
Percent Solids:	
Weight:	15 ± 2%
Volume:	15 ± 2%
PVC:	Not applicable
Viscosity:	Water viscosity
Thinner:	Do not thin
Clean-up:	Use hot, soapy water. (NOTE: Product that has been misapplied to windows may require lacquer thinner to remove. Material on windows can sometimes be removed with a razor blade scraper.)
Flash Point:	>200°F (>93°C)
Spread Rate:	400-500 sq. ft./gal.
Dry time (70°F @ 50% R.H.):	
To Touch:	15-30 minutes

(Expect longer dry times at lower temperatures and higher relative humidity.)
Federal Specification Crossover: None

SURFACE PREPARATION: Remove wax, form oils, grease, dirt, efflorescence and other contaminants by appropriate methods. Surfaces to be treated must be clean and dry. Open, extremely porous concrete or concrete block surfaces must be scratch coated with a cement mortar mix to fill the pores before treating.

INSTRUCTIONS FOR USE:

- 1.) Thoroughly mix the AQUA-PEL WB Water Repellent No. 251.
- 2.) Apply to the surface with a wide bristle brush, by a low pressure garden sprayer, or by a conventional or airless sprayer using low atomization pressure so that the surface is totally wetted. Do not allow excess material to run down the wall. If desired, or necessary, an additional coat of AQUA-PEL WB No. 251 can be applied.

NOTE: This product is not formulated with lead or mercury containing materials.

REGULATORY DATA

VOC (theoretical):	As supplied: 0.0 lb/gal (0 g/l)
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SURFACE PREPARATION

Treat only clean, dry, porous surfaces. Use PORTERPREP™ Heavy Duty Cleaner No. 571, Soilax or TSP and water, or other appropriate cleaner to remove dirt, oils, grease and other contamination. Remove efflorescence by power washing or with muriatic acid (following manufacturer's instructions).

INSTRUCTIONS FOR USE

Tinting: Do not tint.

Mixing: Stir or shake thoroughly before application.

Thinning: Do not thin.

Clean-up: Clean tools and spray equipment with hot soapy water. (NOTE: Product that has been misapplied to windows may require lacquer thinner to remove. Material on windows can sometimes be removed with a razor blade scraper. Contact Porter Paints Technical Services Department for information or guidance if necessary.)

Application:

Conditions: *Temperature Range:*

50°F to 95°F (air, surface, paint) (Optimum paint temperature 65-80°F)

Dew Point:

Surface temperature must be at least 5°F above the dew point.

Relative Humidity:

Maximum 85%

Equipment: *Brushes:*

Use wide nylon/polyester or china bristle brushes.

Airless Spray:

Minimum 28:1 Pump Ratio; .011" tip; 1800-2400 psi; 1/4" high pressure material hose.

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. Adjust tip to a uniform wide spray pattern.

Garden Sprayer:

Adjust tip to a uniform wide spray pattern.

Directions: *New Work:*

Apply a uniform saturating coat of AQUA-PEL WB Water Repellent No. 251, maintaining a wet edge from start to finish of each wall section, so that the entire surface is fully wetted out. Do not allow excess material to run down the wall. A second application can be applied if necessary on very porous surfaces.

Recoat:

Surfaces previously treated with AQUA-PEL WB Water Repellent No. 251 may be retreated at any time it is determined that recoating is necessary or desirable. That usually is when the surface has weathered to the point of allowing water to soak in, or conditions that prompted the original treatment have returned. Test water absorption by wetting the surface and observing for water beading or penetration. Reapply AQUA-PEL WB Water Repellent No. 251 when necessary as outlined for new work.

Overcoating:

If it is desired to paint over treated surfaces, it is recommended that adhesion testing be conducted in various areas before any painting begins, with special attention to those areas least exposed to weather. *NOTE: PAINT WILL NOT ADHERE WELL TO SILICONE TREATED SURFACES UNTIL WEATHERING HAS FULLY BROKEN DOWN THE REPELLENT PROPERTIES.* If adhesion is suitable, apply any appropriate Porter primer and finish system (SEE PORTER PAINTS SYSTEMS GUIDES, OR THE SELECTED PORTER FINISH DATA SHEET FOR PRIMER RECOMMENDATION)

PRECAUTIONS

Prior to using this product, the user is specifically directed to obtain and read the current Material Safety Data Sheet and Label for this product. If, after reading these documents, you do not understand them, do not use this product. KEEP OUT OF REACH OF CHILDREN.

SHIPPING

Freight Classification: PAINT OR PAINT RELATED MATERIAL

Packaging: 4 Gallons per carton

Shipping Weight: 8.7 lb/gal (35.9 lb/carton)



The technical data furnished is true and accurate to the best of our knowledge. However, no guarantee of accuracy is given or implied. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of products. Technical data are theoretical values and subject to change without prior notice.

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