



AQUASEAL

PREMIUM MASONRY SEALER (ME12)

AQUASEAL PREMIUM MASONRY SEALER (ME12) is a penetrating silane/siloxane water repellent for porous concrete and masonry surfaces. This premium quality clear solution provides ultimate longevity and durability against the damaging effects of water penetration. Aquaseal Premium is paintable and can be recoated without complete removal.

FEATURES:

Seals & Waterproofs
Controls Efflorescence
Minimizes Surface Deterioration
Breathable & Long Lasting
Paintable & Recoatable
Low Odor & VOC

BUILT FOR:

Interior & Exterior
Vertical & Horizontal
Concrete & Masonry

BEST ON:

Concrete
CMU Block
Masonry
Stucco
Stone
Tile
Brick

MEETS VOC REQUIREMENTS:

CAL Green	YES
SCAQMD	YES
CARB	YES
National AIM	YES
Green Seal GS-11	YES
LEED v4 v5	YES

SPECIFICATIONS:

Composition:	Silane / Siloxane
Vehicle:	Water
VOC (ASTM D6886):	< 10 g/L
Solids by Weight:	12% ± 2
Shelf Life:	2 Years
Warranty:	10 Year Limited

AVAILABLE PRODUCTS:

MFG Codes:	5200 Clear
Finishes:	Penetrating; Flat / No Film
Tint Capacity:	Do Not Tint
Sizes:	1 Gallon, 5 Gallon, 55 Gallon

PREPARATION:

All surfaces must be cured, firm and dry. Use suitable cleaners to remove all dirt, efflorescence, oil or other contamination. Sand glossy surfaces and remove dust (See **WARNING!**) When using penetrating products, perform a water test to ensure the substrate is absorbent prior to application. See full 'Preparation' instructions on the following pages.

APPLICATION:

Brush:	Synthetic Bristle
Roll:	Synthetic Nap - 1/4" - 3/8"
Spray:	Low Pressure < 25 PSI; 0.035" Tip

Temperature:	40°F - 90°F Air, Surface, & Material
Film Thickness:	Penetrating; No Film Min. 3/8" Penetration
Coverage:	40-150 Sq. Ft. / Gal Varies by substrate
Drying Time: @75°F; 50% R.H.	2-4 Hours Dry & Recoat 24 Hours Return to Service
Thinning:	Not Recommended
Clean Up:	Water

Topcoat – 1-2 Coats:

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Apply to bare, porous concrete and masonry or surfaces previously coated with Aquaseal Premium Masonry Sealer (ME12) only. Do not apply to sealed surfaces.

Vertical Surfaces:

Apply material from bottom to top. Fully saturate the surface allowing material to run down 8 – 12 inches. Backrolling is recommended.

Horizontal Surfaces:

Apply material using cross hatch passes. Fully saturate the surface.

All Surfaces:

Allow material to absorb into the surface for 10 – 15 minutes. **Remove any excess with a dry roller or mop.** If material has fully penetrated, a second coat may be applied.

See following pages for detailed preparation and application instructions.





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PREPARATION & APPLICATION:

BEFORE APPLICATION

GENERAL PREPARATION: All surfaces must be cured, firm, dry and cleaned free of dust, dirt, oil, grease, wax, chalk, rust, mildew or any other contamination or condition that would adversely affect the performance of the coating. Sand glossy, dense or glazed surfaces (see **WARNING!**). Protect surrounding areas, shrubbery, plants, grass, glass, metal and other glazed surfaces.

CONCRETE & MASONRY: Ensure the surface has a pH < 8 prior to application.

MOISTURE: All surfaces should be dry before application. Concrete and masonry should be thoroughly cured and have moisture content < 15%. Moisture intrusion behind the coating may cause blistering or peeling. Blistering and peeling caused by moisture intrusion is not a defect of the coating nor covered by warranty.

PATCHING & CAULKING: Caulk and fill cracks, holes, voids, etc. larger than 1/16". Patching and caulking should be allowed to fully dry, then the finish coating system applied. Coating over flexible patch or caulking or in areas with substrate movement may cause cracking of the topcoat.

MIXING: Mix well before use. Purchase enough material to complete your project at the same time. If additional material is needed, retain some of the original material and intermix the material before application or touch up.

THINNING: Apply at can consistency.

CONTAINERS AND TOOLS: Transfer material into a clean container for use. Use new or thoroughly cleaned tools. To avoid contamination, do not re-dip applicators or add used material into containers being used for storage.

DURING APPLICATION

TESTING: Prior to full application, apply a test patch to ensure the preparation and coating system are appropriate for the project. If test patch results do not meet the needs of the project, contact a Monopole representative for recommendations.

COVERAGE: May vary depending on method of application, porosity and texture of the surface. Measure estimated coverage during the test application.

FILM THICKNESS: Always follow recommendations for application thickness on page 1. Over application may reduce performance and can lead to runs, extended dry times, a soft film, or a white haze (clear coatings).

WEATHER: Apply product only when material, air, and surface temperature are within the recommendations on page 1 and will remain above that temperature for at least 24 hours. Temperatures must remain 5° above the dew point during application and dry time. Do not expose to rain, fog, snow or any moisture during application or dry time. Limit exposure to heavy moisture for 24-48 hours after application.

BACKROLLING: While spraying, follow with a wet roller to ensure an even coat and fill in porous surfaces. This will reduce pinholes, create uniform sheen and make for easier touch-up.

RECOATING: Always follow recommendations for recoat times on page 1. Recoating too soon or too long after application may reduce performance and can lead to adhesion loss, improper cure or a soft or hazy film.

SPECIALTY SYSTEM RECOMMENDATIONS

Paint Additive: Aquaseal Premium Masonry Sealer can be mixed with waterborne latex paint to provide better adhesion, protection, and washability of the finish. Mix one (1) pint per gallon of waterborne latex paint.

Semi-Transparent Sealer: Mix one (1) part waterborne latex paint with five (5) parts Aquaseal Premium Masonry Sealer. Apply per application instructions on page 1.

Solid Color Sealer: 1st Coat - Mix one (1) part waterborne latex paint with five (5) parts Aquaseal Premium Masonry Sealer. Apply per application instructions on page 1. 2nd Coat - Mix one (1) part Aquaseal Premium Masonry Sealer with five (5) parts waterborne latex paint. Apply per application instructions of the waterborne latex paint.

Undercoat for Painted Finish: Aquaseal Premium Masonry Sealer can be applied to bare surfaces prior to paint application to extend the life and color of the finish.

AFTER APPLICATION

DRYING: Dry times are based on standard conditions of 75°F with a relative humidity of 50%. Lower temperatures or higher humidity may extend drying times. Higher temperatures may speed drying time. Provide adequate ventilation and air movement during and after application.

STORAGE: Store material at room temperature in a clean, tightly sealed container free of rollers, brushes, or other outside materials. Protect from freezing.

CURE: Architectural coatings require up to 30 days after final application for full cure and maximum performance. Cure times vary depending on environmental conditions and air circulation.

CLEANING: Wait until at least two weeks after final application. Clean with fresh water and a cotton cloth. A small amount of mild detergent can be used, if necessary.





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PRODUCT LIMITATIONS:

Sealed Surfaces: Aquaseal Premium Masonry Sealer is intended for unsealed surfaces only. Do not apply to sealed substrates.

Moisture Intrusion: The source of moisture intrusion (ex: condensation, settling, cracks, plumbing leaks, hydrostatic pressure, settling cracks, earthquake movements, etc.) into the building must be corrected prior to application. The substrate should be inspected to identify repairs or improvements which are necessary prior to application.

Moisture Control: Aquaseal Premium Masonry Sealer should not be used as a substitute for flashing, screeds, weep holes, weep tubes, vents, or additional back-up moisture control systems. Follow all requirements of Model, Building Codes or Industry Recommendations. Aquaseal Premium Masonry Sealer should be considered a water repellent only.

Masonry Mortar Joints: Due to the absorbent nature, pay extra attention to saturation and sealing masonry mortar joints.

Waterproofing Membrane: Aquaseal Premium Masonry Sealer does not form a waterproofing membrane nor seal inaccessible or below grade areas. It will not bridge cracks or pores larger than 1/16" nor compensate for flawed construction. Exposed walls must be capped and the backside of the free standing or retaining walls must be sealed, flashings must be in place and weep holes and drains installed and functioning (where applicable).

Excess Material / Absorption: Do not apply more material than can be absorbed into the surface. Dry roll or mop off any excess material 10-15 minutes after application. Excess material may result in a hazy white or glossy appearance and may remain tacky. It can also alter the adhesion of subsequent coating applications. If excess material dries on the surface, flush with water and scrub with a stiff bristle brush within 24 hours. For heavy areas, a mixture of vinegar and water can be used. If excess material cures, mechanical sanding or grinding may be required to remove.

Below Grade / Hydrostatic Pressure: Do not apply below grade or where hydrostatic pressure is present.

Cracked / Unsound Surfaces: Aquaseal Premium Masonry Sealer will not prevent water penetration or help control alkali efflorescence through unsound or cracked substrates.

Wood: Do not apply over wood as it may react with the surface and darken. Use Aquaseal (2) Wood Sealer.

PERFORMANCE TESTS:

Reduction in Water Leakage (ASTM E514) Wind Driven Rain		Accelerated Weathering 2500 Hours (ASTM G154)	No Loss Water Repellence
Brick	100%	Scaling Resistance (ASTM C672) 100 cycles	No Scaling
Split Face Block	> 92%	NCHRP 244 Series II (AASHTO T259 & AASHTO T260)	
Moisture Vapor Transmission		Reduction in Water Absorption	Pass > 84%
Breathability (ASTM D1653)	100%	Reduction in Chloride Ion	Pass > 86%
Permeability (ASTM E96)	11.9 Perms	Efflorescence Resistance (NBS 883)	
Water Absorption		UV Resistance	Excellent
ASTM C140 (Max. 24 Hours)	< 0.7%	Oxidation Resistance	Excellent
ASTM C642 (Max. 48 Hours)	1%	Dust Resistance	Excellent
Reduction in Water Permeance (ASTM C67)	97.6%	Pollution Resistance	Excellent
Reduction in Water Permeance (SS-W-110-C)	97%	Polymerized Content	Excellent

WARNING! If you scrape, sand or remove old paint from any surface, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Carefully clean up with a wet mop or HEPA vacuum. Before you start, find out how to protect yourself and your family by contacting the U.S. EPA/Lead Information Hotline at 1- 800-424-LEAD (5323) or log on to www.epa.gov/lead.

WARRANTY: Monopole, Inc. provides a 10 Year Limited Warranty (the "Warranty") for water repellency of Aquaseal Premium Masonry Sealer (the "Product") as more particularly set forth in the Product's Limited Warranty document. For the purpose of this Warranty, the stated time period commences on the date of application of the Product on the structure until such time that the owner conveys, assigns, sells or transfers the structure on which the Product has been applied. All recommendations for surface preparation and application set forth in the Technical Data Sheet (the "TDS") must be followed in order for the Warranty to be valid. Complete details and limitations of this Warranty can be found at www.monopoleinc.com or by contacting info@monopoleinc.com. No modifications, changes or amendments to this Warranty or the TDS are valid. This Warranty is non-transferable.

