

# AQUASEAL REGULAR<sup>®</sup>



Positive Waterproofing For Concrete & Masonry



MADE IN U.S.A.

## PRODUCT DESCRIPTION:

ITEM NO. 4500

**MONOCHEM AQUASEAL REGULAR** is an ionized, extended, water miscible Polysiloxane solution that provides a durable and highly effective invisible shield against water intrusion. It is a penetrating sealer which waterproofs and preserves concrete & masonry by causing a chemical reaction that solidifies all component parts into one solid mass. **AQUASEAL REGULAR** effectively reduces seepage through the surface to which it is applied. **AQUASEAL REGULAR** is not a surface coating or a paint and will not alter the texture or finish of the structure, as it performs within the pores and voids of the surface.

### BASIC USES:

**AQUASEAL REGULAR** may be applied to above grade **VERTICAL**, interior or exterior concrete, masonry blocks, cement block, stucco, walls, stones, grout, porous tiles, new or old, flat latex painted or unpainted surfaces.

### ADVANTAGES:

- Prevents future deterioration by natural causes.
- Helps stop concrete dusting and stucco spall off.
- Helps control alkali efflorescence and prevents water from penetrating through sound surfaces.
- As an underseal, it will lengthen the life and color of paint and prevents saponification which is blistering and flaking of the paint off of a surface.
- One coat application.

Product Qualifications	
Cal Green	Yes
SCAQMD	Yes
CARB	Yes
LEED (New Construction)	Yes
LEED (New Schools / CHPS)	Yes

### PREPARATION:

1. The cause of the water infiltration should be determined. The substrate should be inspected to identify repairs or improvements which may be necessary prior to application.

**Excess Moisture:** The source of moisture intrusion (ex. Condensation, settling, cracks, plumbing leaks, hydrostatic pressure, settling cracks, earthquake movements) into the building should be corrected prior to the application of **AQUASEAL REGULAR**.

2. **AQUASEAL REGULAR** should not be used as a substitute for additional details which may be required by Model or applicable Building Codes or Industry Recommendations such as the use of flashing, screeds, weep holes, weep tubes, vents, or additional back-up moisture control systems. Relative to Masonry, it should be considered a water repellent only.

### TECHNICAL DATA:

Composition .....Polysiloxane  
 Active Solids by weight, organic & inorganic (ASTM D2369) .....6 ±2%  
 Weight per gallon.....9.3 Lbs  
 VOC.....<10 g/L  
 Flash Point.....None (Water Base)  
 Penetration.....1" (Approx.)  
 Water Repellency test per (ASTM C67-07a).....89%

### WATER PERMEANCE TEST OF MASONRY

Per (ASTM E514, Wind Driven Rain).....98% reduction of leakage  
 Per U.S. Federal Specification (SS-W-110C).....95%  
 (including 18 freeze/thaw cycles)

### BREATHABILITY

Moisture Vapor Transmission Rate Per (ASTM D1653-03).....  
 .....87.8% minimum as compared to an uncoated sample

### WEATHEROMETER 2500 hours

Outdoor exposure tests .....98.8% Repellency  
 UV resistance.....Excellent  
 Polymerized content .....Excellent  
 Oxidation resistance .....Excellent  
 Paraffins, oil, wax or varnishes .....None  
 Color of surface after application .....Unchanged

3. All cracks or voids larger than hairlines (larger than 1/16") should be filled or caulked.
4. Alkali, lime or efflorescence on the surface should be treated or cleaned with a proper neutralizing agent. Allow 24 to 48 hours to dry before application.
5. All preparation, painting, and caulking of joints or cracks should be allowed to cure prior to application.
6. Cure new concrete 28 days before application.
7. Do not apply **AQUASEAL REGULAR** to a wet surface. All surfaces must be dry for a minimum of 24 hours following rain. The moisture level should not exceed 15%.
8. In hot, dry weather it is recommended that the surface be slightly damp before application to improve material penetration.
9. Do not apply in windy conditions or when the surface temperature is below 40° F or above 90° F.

### APPLICATION:

**AQUASEAL REGULAR** must be applied in a small area prior to doing the complete job to insure proper results and determine the proper coverage and application procedures.

Apply with a brush, roller, or for best results, use spray equipment such as a compressor driven airless, pump or Hudson type sprayer. Use low pressure (not to exceed 20 PSI), allowing excess material to run down 10 to 12 inches to assure that enough product has been absorbed into the surface. The recommended Tip Size is: .035 - .050 inch

7 THERMAL AND MOISTURE PROTECTION

WATER REPELLENTS 07190

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**AQUASEAL REGULAR** should be applied in a uniform manner that fully wets the entire surface by using horizontal and vertical passes, working areas from top to bottom. AVOID PUDDLING. If puddles form, broom out.

**AQUASEAL REGULAR** is to be used in one coat application. If a surface is very porous and an additional treatment is needed, apply the second coat as soon as the first coat has penetrated (*WET-ON-WET* application). If the first coat is dry, the second coat will be rejected and overlapping may cause a precipitate white salt residue. If this happens, wash the surface using a stiff brush and water. Do not allow residue to remain on surface or it will become more difficult to remove.

**AQUASEAL REGULAR** should not have anything added to it.

**LIMITATIONS:**

**AQUASEAL REGULAR** does not form a water-proofing membrane and does not seal inaccessible areas. It will not bridge cracks, fill large pores or compensate for flawed construction. Exposed walls must be capped and the backside of parapet walls must be sealed, flashings must be in place and weep holes and drains installed and functioning (where applicable).

**CAUTION:**

- **AQUASEAL REGULAR** should not be mixed with paint. Use **AQUASEAL HEAVY DUTY** or **AQUASEAL ME12** if you want to mix a water repellent with paint.
- **AQUASEAL REGULAR** is not recommended for below grade waterproofing or where water pressure arises from the interior of the wall.
- Do not apply in windy conditions or at temperatures below 40°F or above 90°F.
- Do not apply if rain is anticipated within 24 hours. Allow the surface to dry at least 24 hours after rains or until the surface moisture level is below 15%.
- **AQUASEAL REGULAR** will not prevent water penetration or help control alkali efflorescence through unsound or cracked substrates.
- Do not use **AQUASEAL REGULAR** as a clear sealer over wood products, in particular redwood, pine or cedar. It will create a reaction with the acidic resin and darken the surface. For best results, substitute **AQUASEAL II FOR WOOD** Water Base formula for all wood products. After application, the treated surface starts to repel water within minutes, however 24 hours of dry time are needed to develop maximum water repellency.
- Protect shrubbery, plants, grass, glass, metal and other glazed surfaces during application. Clean drips, runs and overspray residue while still wet, using detergent and water. Dried material may require a solution of vinegar and water or a legal paint stripper for removal.
- If allowed to dry, **AQUASEAL REGULAR** can etch metal, glass, and other glazed, non-porous materials.

**CLEAN UP:**

Wash all equipment with soapy water immediately while the material is still wet.

**STORAGE AND SHELF LIFE:**

Store in temperatures between 40° F to 90° F. The shelf life is one year in unopened container

**FIRST AID:**

Contact with eyes can create severe irritation. Flush the affected area with water for 10 minutes. If swallowed, do not induce vomiting and consult a physician immediately.

**ESTIMATED COVERAGE RATE:  
ONE COAT APPLICATION (ALWAYS TEST)**

SUBSTRATE	SQ/FT/GAL
Poured Concrete	90-100
Precast concrete	90-100
Brick wall (New)	100-150
Stucco	70-100
Painted surfaces	200-300
Tilt-Ups	110-150
Aggregate	100-150

For extra porous substrates such as split face block, CMU, Mammoth block, old brick, and others, use **AQUASEAL HEAVY DUTY** OR **AQUASEAL ME12**.

For the following substrates, use **AQUASEAL HEAVY DUTY** or **AQUASEAL ME12**

SUBSTRATE	SQ/FT/GAL
Standard block	70-100
Mammoth block	50-60
Split face block	50-60
Old Brick	70-100

These coverage rates are estimations and may vary considerably due to the porosity of the substrate. Always test and get approval from the project architect and/or building owner prior to completing a job.

**PACKAGING:**

**AQUASEAL REGULAR** is packaged in one-gallon cans, five-gallon pails, and 55 gallon drums:

- 4500-01:** Aquaseal Regular (1 Gallon Can)
- 4500-05:** Aquaseal Regular (5 Gallon Pail)
- 4500-55:** Aquaseal Regular (55 Gallon Drum)

**WARRANTY INFORMATION:** MONOPOLE believes that the information in this publication is an accurate description of the typical characteristics and/or uses of the product or products. It is your responsibility to thoroughly test the product in your specific application to determine its safety and performance capabilities. Since use of this product is beyond our control, MONOPOLE, INC. cannot assume any risk or liability for results obtained when not used according to our specifications and directions. Unless MONOPOLE provides a specifically written statement of fitness for a particular use, MONOPOLE'S sole warranty is that the product will meet its current sales specifications. MONOPOLE disclaims any other expressed or implied warranties, including the warranty of merchantability and fitness for use. Your exclusive remedy and MONOPOLE'S sole liability for breach of warranty is limited to a refund of the purchase price or replacement of any product proven to be defective. In no event shall the seller be liable for any loss of profits or other consequential damages, including labor charges.