

AQUASEAL SEMI GLOSS®

TECHNICAL BULLETIN



Positive Waterproofing For Concrete & Masonry

MADE IN U.S.A.

PRODUCT DESCRIPTION:

ITEM NO. 6400

MONOCHEM AQUASEAL SEMI GLOSS is a transparent, non-yellowing, water repellent with a semi gloss finish. **AQUASEAL SEMI GLOSS** is a penetrating, clear solution of 100% acrylic-modified polysiloxane that waterproofs and protects against water damage, acids, alkali, oily stains, grease, chemical fumes and ultraviolet degradation.

BASIC USES:

AQUASEAL SEMI GLOSS is used to enhance the natural beauty of stones, exposed aggregates, concrete, and masonry. For wood applications, consult the manufacturer. **AQUASEAL SEMI GLOSS** offers outstanding exterior and interior durability. It cures to a hard and abrasion resistant finish without looking varnished.

TECHNICAL DATA:

Composition	Modified Acrylic-Siloxane
Solids	24%±2
Flash Point	None
Color(Milky White).....	Dries Clear
Viscosity	44 KU
Weight per gallon	8.5 Lbs.
Voc Content	< 70 g/L
Resistance to UV.....	Excellent
Oxidation	Excellent
Dust Collection	Excellent

DRYING/CURING TIME:

AQUASEAL SEMI GLOSS will dry-to-touch in 25-40 minutes, depending upon weather conditions. Full cure takes 36-48 hours.

APPLICATION:

- Apply with a brush, roller, or for best results use a low pressure airless sprayer with a tip size from .018 to .035 inches is preferred. Apply heavily to fill the pores evenly.
- Apply a second coat when the first coat is completely dry after 25 - 40 minutes. (The first coat penetrates, the second coat forms a protective film, which produces a semi-gloss finish).
 - Avoid puddling or drips. If puddles form broom out. Use a paint roller to pick up all drips, puddles or run-downs.
- Do not apply in windy conditions or when temperature is under 42°F, or above 90°F.
- AQUASEAL SEMI GLOSS** should be applied from its container and should not be diluted, thinned or have anything added to it.
- Do not allow **AQUASEAL SEMI GLOSS** to remain on glass, metal or any glazed surface. If this occurs, flush the surface with a solution of detergent and water immediately; otherwise the surface will be etched.

LIMITATIONS:

AQUASEAL SEMI GLOSS will 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).

CLEAN UP:

Clean all drips, runs and overspray while still wet with detergent and water. Clean all equipment immediately following use.

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

PREPARATION

- The cause of the water infiltration problem should be determined. The substrate should be inspected to identify repairs or improvements which may be necessary prior to application.
- All cracks, voids, seams, bee holes, joints, etc larger than hairlines should be filled or caulked.
- Alkali, lime or efflorescence on the surface must be treated or cleaned with a proper neutralizing agent such as muriatic acid (1 part acid to 4 parts water). Rinse/neutralize excess acids. Allow the surface to dry for 24 to 48 hours (until it is below 15% moisture) before product application.
- All preparation, painting and caulking of joints or cracks should be allowed to cure prior to application.
- Allow new concrete and stucco 28 days cure time before application.
- Do not apply **AQUASEAL SEMI GLOSS** to a wet surface. All surfaces must be dry for a minimum of 24 hours following rain. The surface moisture level should not exceed 15%.
- In hot, dry weather we recommend slightly dampening the surface where possible to improve material penetration.

NOTE: Test small area prior to doing complete job to insure proper results and to determine proper coverage and application procedures.



THERMAL AND MOISTURE PROTECTION

WATER REPELLENTS 07190

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SHELF LIFE:

AQUASEAL SEMI GLOSS is usable for one year in an unopened container when stored at temperatures between 40°F-90°F. *PROTECT FROM FREEZING*

COVERAGE: (Estimated)

Surface Type	Sq. Ft. Per Gal.
Exposed aggregate panels.....	150-200
Stone, granite.....	200-250
Concrete, smooth block	175-285
Dense bricks.....	150-200
Slump blocks.....	100-125
Standard blocks.....	100-125
Split face blocks	100-125
Dry pressed blocks.....	125-150
Porous bricks, tiles	150-200
Stucco	150-200

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

PACKAGING & SHELF LIFE:

AQUASEAL SEMI GLOSS is packaged in 1-gallon cans, 5-gallon pails.

6400-01: Aquaseal Semi-Gloss (1 Gallon Can)

6400-05: Aquaseal Semi-Gloss (5 Gallon Pail)

FIRST AID:

EXTERNAL - Can cause severe irritation to eyes. If contact is made with eyes, wash with water for 10 minutes.

INTERNAL - Do not take internally. If swallowed, do not induce vomiting but consult a physician. Avoid breathing vapor or mist. Refer to our material safety data pages.

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. But it is the end users responsibility to thoroughly test the product in the specific application to determine its performance efficacy and safety. 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 specific written statement of fitness for a particular use, MONOPOLE'S sole warranty is that the product will meet its current sales specifications. MONOPOLE specifically disclaims any other expressed or implied warranty, including the warranty of merchantability and fitness for use. The exclusive remedy and MONOPOLE's sole liability for breach of warranty is limited to a refund of the purchase price or replacement of product proven to be defective. In no event shall the seller be liable for any loss of profits or other consequential damages. Under no circumstance will MONOPOLE pay labor charges.