

AQUAPRIME®



Multi-Surface, High pH Sandable Primer

MADE IN U.S.A.

PRODUCT DESCRIPTION:

ITEM NO. 5900

AQUAPRIME is a white pigmented, high performance 100% acrylic, water based, multi-surface sandable primer. It is suitable for concrete, masonry, metal, galvanized, steel, plastic, wallboard, wood, plaster, stucco and previously painted surfaces.

ADVANTAGES

- Interior/Exterior, Horizontal/Vertical Application
- USDA approved
- Primer over stucco with pH over 14
- Primer over tilt-up with pH over 14
- May be applied to green stucco or concrete
- Excellent resistance to mold and mildew
- Excellent resistance to efflorescence and erosion
- Cohesively binds chalky surfaces
- DTM Primer, ABS, PVC, Plastics
- Drywall, gypsum, plaster, wood & stains
- Concrete and masonry walls and floors
- Primer over glossy or flat latex paint
- Water clean-up
- Low to no odor
- Spray, Brush, or Roll On

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

SURFACE PREPARATION:

The surface must be dry and free from all dirt, dust, oil, grease, wax and all loose materials and contaminants that can affect the adhesion of the coating.

- Green stucco and concrete can be damp (not wet) when coated.

UNPAINTED CONCRETE SURFACES:

Clean and remove all loose or unsound concrete and masonry. Dense, non-porous concrete should be acid etched or abrasive blasted to remove the laitance layer and create a 180 grit surface profile. Etching Instructions: open up surface pores by acid etching with a mixture of one part Muriatic Acid to four parts warm water. After etching, neutralize the acid by scrubbing the surface with ammonia and water (1 part of household ammonia mixed with 10 parts of water). Rinse the surface thoroughly with clean water. Dense concrete slabs will require two or three acid etchings to open the pores. Properly etched concrete should feel like 120 grit sand paper.

Allow at least 7-10 days of dry time before applying **AQUAPRIME** over fresh concrete.

TECHNICAL DATA:

Composition	Acrylic
Solids by Weight (ASTM D2369)	48 ±2
Solids by Volume (ASTM D2697)	42%
Viscosity	95-100 KUs
Dry Time @70-80°F. & 50% R.H	
Tack-Free	30 Minutes
Sandable	1-2 Hours
Recoat	1-2 Hours
Impact Resistance (ASTM D2794)	>150 Inch/Lbs
Pencil Hardness (ASTM D3363)	HB
Resistance to Efflorescence (ASTM C87-87)	No Efflorescence
Moisture Vapor Transmission (ASTM E96-80)	95% Minimum
VOC Level	85 g/L

PREVIOUSLY PAINTED CONCRETE FLOOR PREPARATION:

The following steps will encourage adhesion between a painted concrete surface and **AQUAPRIME**.

OIL BASED PAINT:

Remove all chlorinated rubber and hydrocarbon finishes (oil-base enamels, epoxies or urethanes) by sandblasting or apply a prime coat of **MONOCHEM 21** and conduct a test patch.

LATEX BASED PAINT:

- 1) Remove all loose, peeling, and poorly bonded paint.
- 2) Smooth or glossy surfaces should be sanded to a rough finish.
- 3) Clean the surface by scrub washing with **MONOCHEM CLEAN POWER** or by using a solution of a 1/2 cup TSP (Tri-Sodium Phosphate) to one gallon of warm water. Pay special attention to areas where build-ups of dirt, grease, and oil exist.
- 4) Rinse well, and then allow the surface to dry thoroughly.

FRESH STUCCO:

Allow the fresh stucco 3 days of dry time before applying **AQUAPRIME**. The surface may be damp before application. Do not coat wet stucco.

METAL SURFACES:

NON FERROUS METALS: Remove all oils or films with neutral detergent or emulsion cleaner. Blast lightly with fine abrasive or light etching using **MONOCHEM METAL ETCH**. Then rinse the surface using Zinc and coat within 3 hours to avoid oxidation.

FERROUS METALS: Remove all loose rust, dirt, grease or other contaminants by one of the following depending on the degree of cleanliness required. Blast SSPC-SP3; SSPC-SP2; SSPC-SP6; SSPC-SP7. Blast lightly with fine abrasive or light etching using **MONOCHEM METAL ETCH**. Then rinse the surface using Zinc and coat within 3 hours to avoid

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HIGH PERFORMANCE PRIMER 09900
PROTECTIVE COATINGS

MONOPOLE INC.
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oxidation. A rust inhibitive primer is required for all ferrous surfaces prior to applying **AQUAPRIME**.

APPLICATION: (Mix thoroughly)

AQUAPRIME must be applied in a small area prior to doing the complete job to ensure proper results and determine proper coverage and application procedures. Apply with a brush, roller, or for best results, use spray equipment.

Brush Application: 4" nylon or foam brush.

Roller Application: 1/4" - 3/4" Synthetic roller cover.

Spray Application: 35 gpm with 0.15-0.17 tip @1500 psi.

APPLICATION PRECAUTIONS:

- Apply only when air and surface temperatures are between 50°F - 100°F, with relative humidity not greater than 85%.
- Do not apply if rain is anticipated within 48 hours before or after the application.
- Use "as is"; do not dilute or alter the product.
- Do not apply in high winds.
- Do not apply over unsound coatings or substrates.
- Do not apply to surfaces displaying over 15% moisture unless they are green stucco or concrete.

TINTING:

AQUAPRIME can be tinted to pastel colors using water based Universal Colorants. Use up to 2 ounces per gallon.

CLEAN UP:

Clean all equipments immediately after use with warm, soapy water.

ESTIMATED COVERAGE RATES:

(ALWAYS TEST)

- **AQUAPRIME** should be applied at a rate of approximately 200-300 square feet per gallon depending on the texture and porosity of the surface.
- Sanblasted surfaces or abrasively blasted metal surfaces may require two coats for proper hide.

LIMITATIONS:

AQUAPRIME 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).

PACKAGING:

AQUAPRIME is packaged in one-gallon cans (5900-01) and five-gallon pails (5900-05).

STORAGE:

Store in temperatures between 40°F. and 90°F.

SHELF-LIFE;

Two years in an unopened container.

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.