

AQUAPELL



MADE IN U.S.A.

GREEN Water Repellent For Concrete, Masonry & Wood

PRODUCT DESCRIPTION:

ITEM NO. 4300

AQUAPELL is an clear acrylic micro emulsion, water based formula, chemically modified to promote deep penetration. It develops outstanding water repellency in a one coat application. It also doesn't alter the appearance of the surface or form a continuous film while allowing the surface to breathe.

AQUAPELL can be applied on porous unsealed substrates such as concrete blocks, stucco, tilt-ups and all wood products.

ADVANTAGES:

- Prevents deterioration due to moisture exposure, freeze-thaw and weather extremes.
- Environmentally friendly to the surrounding vegetation, glass, metal, etc. It is non toxic, non-flammable, and low odor.
- Lowest toxicity rating of Zero VOC.
- Helps stop efflorescence, prevent moisture and water from leaking through.
- Helps reduce bleaching due to ultraviolet rays.
- Protects all wood surfaces from deterioration due to swelling, shrinking or grain raising.
- Easy-to-use on both horizontal and vertical surfaces for the do-it-yourself and professional contractor.
- **AQUAPELL** can be used as an underseal (primer/sealer) for oil or water base paint.
- As a semi-transparent color sealer: one (1) part latex paint mixed with five (5) parts of **AQUAPELL**.
- As a solid color sealer: 1st coat: Mix one (1) part of latex paint to five (5) parts of **AQUAPELL**. 2nd coat: Mix one (1) part **AQUAPELL** to five (5) parts of latex paint.

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.
2. All mortar joints should be sealed. Cracks, holes, voids, etc. larger than 1/16" (hairlines) should be filled.
3. Alkali, lime or efflorescence on the surface should be treated and cleaned with a proper neutralizing agent (such as a 4:1 water to muriatic acid solution). Rinse off all excess acid then allow 24 to 36 hours to dry before application.
4. All preparation, painting and caulking of joints or cracks should be allowed to cure prior to application.
5. Allow new concrete to cure for 28 days before application.
6. Do not apply **AQUAPELL** to a wet surface. All surfaces must be dry for a minimum of 24 hours following rain. Moisture levels should not exceed 15%.
7. In hot, dry weather it is recommended that the surface be slightly damp (not wet) before application to improve material penetration.
8. Before applying **AQUAPELL**, be sure to cover windows and other non-absorbent surfaces because the product cures so quickly that it will be extremely difficult, if not impossible, to remove after a few days. Wipe off all splashes on window panes immediately using soapy water or, if necessary, an organic solvent.

TECHNICAL DATA:

Composition.....	Acrylic Micro Emulsion
Solids by Weight (ASTM D2369).....	10% ±2
Weight per Gallon.....	8.3 Lbs
Flash Point	None
VOC Level	Zero
Viscosity	41 KUs
pH	8.0 - 9.4
Resistance to UV.....	Excellent
Resistance to Dust Collection	Excellent
Resistance to Abrasion.....	Excellent
Paintable	Yes
Breathable.....	Yes
Color of surface after application.....	Unchanged
U.S. Federal specifications SS-W-110c.....	98%

APPLICATION:

- Apply only when surface temperature is between 50°F and 90°F.
- **AQUAPELL** can be applied using a brush, roller, or spray equipment.
- When using low pressure airless spray equipment, Monopole recommends a using a 0.018 to 0.035 inch spray tip. Hold spray tip approximately 12-18 inches from the surface.
- Use a roller to pick up rundowns from the wall while still wet.
- When sealing horizontal surfaces, brush out or squeegee off excess material that has not penetrated before the product dries.
- Highly porous or difficult to spray substrates, such as split-face, fluted blocks or racked joints, will require a second coat to ensure complete coverage and protection. A second coat can be applied (wet-on-wet) after the first coat has cleared (not white) but isn't fully dry (approximately 15-30 minutes after application). Do not apply a second coat if the first coat has completely dried.

APPLICATION LIMITATIONS:

AQUAPELL 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).

CLEAN UP:

Clean equipment with soap and water immediately after use. Fully cured resins can only be removed with a strong solvent.

LEED CREDITS

AQUAPELL qualifies for earning LEED® credits for Environmental Quality, EQ 4.1 Low-Emitting Materials, based on low contribution of VOC.



THERMAL & MOISTURE PROTECTION

WATER REPELLENTS 07190

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COVERAGE:	
Surface Type	Sq. Ft. Per. Gal.
Concrete blocks.....	60-80
Concrete brick	50-70
Split face blocks.....	40-60
Mammoth block	50-70
Dense masonry (Not glazed).....	100-150
Plaster	100-150
Concrete slab	150-300
Wood (rough sawn or weathered).....	110-150
Wood (smooth)	150-200
Wood (textured)	110-150

CAUTIONS:

- **AQUAPELL** is not recommended for below grade waterproofing or where hydrostatic pressure is present.
- **AQUAPELL** will not prevent water penetration or help control alkali efflorescence through unsound or cracked substrates.
- 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%.
- Do not use **AQUAPELL** as a clear sealer over wood products, in particular redwood, pine or cedar. It will create a reaction with the acidic resin and turn the surface darker. For best results, substitute **AQUASEAL II FOR WOOD 3500** Water Base formula for all wood products.
- 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 petroleum distillates for removal.

STORAGE & SHELF LIFE:

Store in temperatures between 40°F - 90°F and protect from freezing. If the container is unopened, **AQUAPELL** will retain a one-year shelf life.

PACKAGING:

AQUAPELL is available in one-gallon cans, five-gallon pails and 55-gallon drums.

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.