

HydraGUARD™

1. PRODUCT NAME

AquaTight HydraGUARD™

2. MANUFACTURER

H2O Barrier Technologies LLC Sandy Plains Road Marietta, GA 30066

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www.h2obtech.com

3. PRODUCT DESCRIPTION

AquaTight HydraGUARD™ is a high-performance sealer for tile, cement, grout, and concrete surfaces. HydraGuard is ideal for application requiring a high degree of water repellency and stain resistance.

When applied to porous tile before grouting, HydraGuard also acts as a grout release agent. HydraGUARD™ speeds grouting, resists grout pigment stains and is compatible with all grout types. Users can grout within 10 minutes of application.

Features and benefits

- Excellent stain and water resistance
- Enhances tile's natural beauty
- Extremely water repellent
- Long lasting protection
- Fast curing (10 minutes)
- Easy application
- May be used in both interior and exterior applications
- Recommended for use in salt-water environments
- Water-based with neutral pH
- Low VOC

Uses

- Sealer/enhancer for grout, mortar, cement, concrete, polished concrete, porcelain, honed porcelain, grout, and semi-porous natural stone.

Recommended Usage

- For porous pavers use at full strength.
- For 1 coat application to cement, concrete, and natural stone, dilute 50:50 with distilled or deionized water.
- For resealing already treated surfaces, dilute 10:1 with distilled or deionized water.
- For sealing polished concrete surfaces, dilute 10:1 with distilled water, deionized water, or AquaTight GA grout additive.

SAFETY

READ THE SAFETY DATA SHEET (SDS) BEFORE USING THIS PRODUCT. SDS Sheets are available on our website www.h2obtech.com.

CAUTIONS

Read complete cautionary information printed on product container prior to use. F

This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about and guidelines for the proper use and application of the covered AquaTight brand product(s) under normal environmental and working conditions. Because each project is different, H2O Barrier Technologies LLC. cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

4. TECHNICAL DATA

LEED® Eligibility¹

- Regional Materials (MR-c5)

AquaTight™ HydraGUARD™ Typical Values	
Stain resistance (CTI-72 test method)	Excellent
pH	8 - 9
Water Repellency	Excellent
Stone Color	Minor Darkening
Light Foot Traffic	10 Minutes
Expected Wear	Up to 3 Years

Note: Test results obtained under controlled laboratory conditions at 73°F (22.7°C) and 50% relative humidity unless otherwise specified.

- Low-Emitting Materials (IEQ-c4.1, IEQ-c4.3)

VOC

<5 g/L

Certifications

Meets NSF International Nonfood Compounds Registration Guidelines.

Packaging

- One Quart (946 mL) bottle (12 per case)
- One Gallon (3.78 L) bottle (4 per case)

Shelf Life

12 months from the date of manufacture when stored in the original, unopened container, away from moisture, under cool, dry conditions and out of direct sunlight.

5. INSTALLATION

Preparation

Shake well before using. Dilute only with distilled or deionized water. This product has a milky appearance which turns clear when dry. Apply when air and substrate temperatures are between 40°F (4°C) and 100°F (38°C).

Job Mockups

The manufacturer requires that when its AquaTight products are used in any application or as part of any system that includes other manufacturers' products, the contractor and/or design professional shall test all the system components collectively for compatibility, performance and long-term intended use in accordance with pertinent and accepted industry standards prior to any construction. Written documentation of the tests performed shall be satisfactory to the design professional and contractor. Test results must include the means and methods of application, products used, project-specific conditions being addressed, and standardized tests performed for each proposed system or variation.

Application as a Sealer

(Test in an inconspicuous area prior to use)

1. Determine the dilution ratio suitable for your particular application by testing in an inconspicuous area.
2. Dilute formula to concentration predetermined by the user.
3. Before applying HydraGUARD™ surfaces should be clean, dry, and free of oil, wax, dust, and efflorescence. Grout, mortar, cement, and concrete surfaces should have cured for at least 24 hours prior to application.
4. Thoroughly wet the surface with HydraGUARD™ using a rag, sponge, roller, brush or pump spray to achieve 100% surface coverage.
5. Wait a minimum of 5 minutes and wipe lightly with a clean rag or sponge before the surface dries. (If HydraGUARD™ dries before wiping, use a rag and wipe in any direction.)
6. Once wiped, allow to air dry for at least 5 minutes or until the surface appears to be completely dry.
7. Test the surface with water droplets. If the water penetrates, repeat steps 2 through 4 until water beads.
8. Clean tools by washing with water. Wash exposed skin with soap and water.
9. Surface may be open to normal traffic after one hour without hindering performance

Reapplication

Reapply every 3 years. The need to reapply may vary based on location, weather conditions, cleaning methods and maintenance products used, tile hardness and porosity. It may be necessary to reapply prior to three years, especially in high traffic area. For reapplication, we recommend using HydraGUARD™ diluted 5:1 to 10:1 with distilled or deionized waer.

Limitations

- Do not store in freezing environment.
- Do not use with tumbled travertine if filling of the pits is not acceptable.
- Do not use for commercial applications where the tile surface comes into contact with vegetable oil or other oils.
- Do not use in areas subjected to harsh chemicals such as acids and caustics.
- Do not allow product to pool or dry on surfaces.

Coverage

- Quart: Up to 500 sq ft.
- Gallon: Up to 2000 sq ft.
- No dilution: for very porous concrete, such as precast pavers
- 1:1 (50% dilution with water) for most concrete surfaces
- 1:5 (80% dilution with water) for non-porous substrates, such as tile
- 1:10 (90% dilution with water) for polished concrete and for reapplication to previously sealed surfaces

6. AVAILABILITY

To locate other AquaTight products in your area, please see our website: www.h2obtech.com.

7. LIMITED WARRANTY

This product is warranted to be free of manufacturing defects. If product is defective, H2O Barrier Technologies will, at its sole discretion, replace the product or refund the purchase price for a period up to one year from date of sale.

8. MAINTENANCE

Not applicable

9. TECHNICAL SERVICES

Technical Assistance

Call the H2O Barrier Technologies at 1-678-302-0377 or visit our website.

Technical and safety literature

To acquire technical and safety literature, please visit our website at www.h2obtech.com

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Property	HydraGuard	Silane/Silicone Sealers	Wax based Sealers	Acrylic Sealers
Binds permanently to magnesium, aluminum, silica, calcium and other natural materials. Acrylic and other sealers cannot do this.	Yes	No	No	No
Breaks down under any chemical condition	No	Yes	Yes	Yes
Creates a film while HydraGuard penetrates deep and binds permanently	No	Yes	Yes	Yes
Dissolves with acetone, methylethylketone or other harsh solvents	No	Yes	Yes	Yes
Insoluble once in contact with intended cementitious or stone surface	Yes	No	No	No
HydraGuard offers three distinct chemistries in one and all have a unique binding quality	Yes	No	No	No
Temporary sealing ingredients, acrylic or other.	No	YES	Yes	Yes
Patented chemistry	Yes	No	No	No
Non-Flammable and water soluble while carrying the NSF International seal guarantees a healthy work environment.	Yes	No	No	No
Works on many surfaces with only a dilution of water to match the porosity of the intended surface.	Yes	No	No	No
Safe for the environment due to the insolubility parameters and will not leach into water supply.	Yes	Yes	Yes	No

USE HYDRAGUARD ON THE FOLLOWING SURFACES

Polished Concrete Floors	Natural unfilled travertine	Honed Porcelain	Precast Ornamental
Honed Concrete Floor	Slates	Precast Wall Cladding	Precast Pavers
Concrete counter tops	Marble	Stone walls	Any Concrete
Polished Travertine	Polished porcelain	Sidewalks and Garages	Any Surface

