

GSS Coatings, LLC GSS-500 Aqua-lock™ WB Water Repellent & Concrete Sealer

System Overview

Aqua-lock™ WB GSS-500 Water Repellent is a VOC compliant, multi-functional, self-cross linking water treatment of concrete, brick, tile, masonry, plaster and similar surfaces.

Aqua-lock™ WB imparts water resistance, retards fungus growth and reduces efflorescence on treated materials while maintaining the natural appearance of substrates.

Use Aqua-Lock™ WB Water Repellent to impart water repellency to all types of masonry and wood substrates.

System Strengths

- Clear penetrating sealer
- Excellent water repellency
- Retards Efflorescence
- Retards mildew, fungus, bacteria.
- Surface permeability. (Breathability)
- Controls rainwater penetration
- Use as base coat under GSS-10 System
- Concentrate (Low shipping cost)
- Effective at low solids
- Maintains natural appearance of surface

System Limitations

- Not recommended for below-grade applications.
- Not recommended for glass plastics
- Not recommended for polished surfaces
- Will not prevent water penetration through structural cracks, defective or open joints.

Technical Data

GSS-500 Aqua-Lock™ Water Repellent

Form:	Clear Liquid
Specific Gravity:	1.0
WT/GAL:	8.3267
Active Content (Diluted):	Approx. 6.25%
Active Content (Concentrate):	100%
Total Solids (Diluted):	Approx. 6.25%
Total Solids (Concentrate):	100%
VOC Content (Diluted 16:1)	18.710 g/L
VOC Content (Concentrate)	318.00 g/L
Flash Point (Diluted)	n/a
Flash Point (Concentrate)	81°F / 27° C
Shelf Life:	2 years in a tightly sealed unopened container

- Meets SCAQMD Requirements

PRODUCTS AVAILABLE FROM GSS COATINGS, LLC

GSS-10 Anti-Graffiti Coating System
GSS-500 Aqualock Water Repellent
GSS-400 Erasol Graffiti Remover
GSS-102 Restroom Partition Saver Magic
Paint Dry Erase Paint
Amperseal Concrete Counter Top Sealer



GSS Coatings, LLC

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GSS Coatings, LLC GSS-500 Aqua-lock™ WB Water Repellent

GSS-500 Aqua-lock™ WB Performance (Federal Specification SS-W-110C)

Substrate	WT Ratio Aqua-lock WB: Water	% Water Exclusion vs. Control	% Weight Absorption
Concrete	Control	-	3.6
	1.27	93	1.0
	1.15	93	1.0
	1.6	85	1.8
Sandstone	Control	-	8.1
	1.69	90	.07
	1.39	93	.05
	1.27	96	.03

GSS-500 Aqua-lock™ WB substrate coverage guide:

Always test to ensure substrate aesthetics and coverage.

Substrate	Type	Use	Dilution Ratio	Substrate	Type	Use	Dilution Ratio
Architectural Concrete Block	Honed	Yes	12-15 to 1	EIFS Plaster		Yes Yes	20 to 1
	Smooth	Yes					
	Ribbed	Yes					
	Split-Faced	Yes					
Concrete	Brick	Yes	16-18 to 1	Marble* Travertine* Limestone* Sandstone* Granite*		Yes See Notes	20 to 1
	Tile	Yes					
	Precast Panels	Yes					
	Cast-in-place	Yes					
Fire Clay	Brick	Yes	16-18 to 1	Painted Substrates*		No	
	Tile	Yes					
	Terra Cotta	Yes					

Note: * Not compatible with ultra dense or painted or polished surfaces.

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Work-Site Preparation

Ensure that people, vehicles, property, foliage, surfaces not be coated, that may be subject to splash, fumes, wind drift of product are protected.

Ensure fresh air entry and cross ventilation during application and drying process. Extinguish all flames, pilot lights and any other potential sources of ignition during the application and drying process.

Substrate Preparation

Substrate should be thoroughly dry, cleaned and free from dust, surface dirt, oil, grease and other contaminants that might prevent adhesion of coating. New concrete should be thoroughly cured 28 days before application. Sealants and caulking should be fully cured prior to application.

Surface and Air Temperatures

Surface and air temperatures should be 45-95°F during application.

Application Instructions

- 1: Using a low-pressure sprayer (Hudson type) apply Aqua-lock™ WB GSS-500 water repellent until fully saturated in a wet-on-wet method, with a 6" to 8" run down. Do not allow first flood coat to dry completely as this will affect the penetration and saturation of the second flood coat.
- 2: After application of GSS-500 Aqua-lock™ WB, allow the treated surface to dry for at least 24 hours to develop maximum repellency.

Safety Information

GSS-500 Aqua-lock™ WB in concentrate is a solvent borne product and may cause symptoms typical with organic solvent exposures, and are combustible. Aqua-lock™ WB will release methanol upon formulation with water. Read MSDS for precautionary instructions per to use.

First Aid Information

Ingestion and Aspiration Hazard: If ingested, call a physician immediately. Do not induce vomiting or give anything by mouth. Only induce vomiting at the instruction of a physician. If vomiting occurs, keep head below waist to prevent entry of liquid into lungs.

Eye Contact: Rinse eye thoroughly for 15 minutes. Get medical assistance if irritation persists.

Skin Contact: Rinse thoroughly with soap and water. Remove contaminated clothing and launder before reuse. Get medical attention if irritation persists.

Inhalation: Remove to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get immediate medical attention.

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**24 Hour Emergency Information:
Chem-Tel 800-255-3924**



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Equipment

Low pressure sprayer (Hudson type) to apply Aqua-lock™ WB GSS-500.

Clean Up & Disposal

Clean low pressure sprayer by thoroughly rinsing with warm, soapy water.

Dispose of unused product and container in accordance with local, state, and federal regulations.

Dilution GSS-500 Aqua-lock™ WB Water Repellent

Dilute at 20:1 example: 1 quart of GSS-500 Aqua-lock™ WB to 5 gallons of cool clear water.

1 gallon of GSS-500 Aqua-lock™ concentrate to 20 gallons of cool clear water. Yield 21 gallons total.

Dilute at 16:1 example: 1 quart of GSS-500 Aqua-lock™ WB to 4 gallons of cool clear water.

1 gallon of GSS-500 Aqua-lock™ concentrate to 16 gallons of cool clear water. Yield 17 gallons total.

Dilution rate is dependent upon substrate and system

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Successful Application Tips

- Follow safety procedures
- Proper Surface preparation
- Be aware of environmental conditions
- Use clean equipment, no cross contamination
- Follow mixing and application instructions
- Be aware of wind conditions & surrounding vehicles, homes, and businesses.
- Proper clean-up, storage, and disposal of products and equipment.

Warranty

GSS Coatings, LLC guarantees that if properly applied, GSS-500 Aqua-lock™ WB will exhibit water repellency on treated surfaces for five(5) years. Should lack of water repellency occur through treated areas during the warranty period, GSS Coatings, LLC will supply Aqua-lock™ product necessary to restore a water repellent condition to the affected area at no extra cost, subject to certain limitations.

This warranty excludes from the coverage any and all other products not included in the warranty product description. Replacement of product as provided under this warranty is the exclusive remedy of the consumer. Except to the extent prohibited by applicable law, no other warranties, express or implied, are made with respect to the product, including warranties of merchantability, fitness for a particular purpose, or any other matter. In no event shall GSS Coatings, LLC be liable for any consequential or incidental damages as a result of the purchase or use of this product.



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