

# — AG500 —

## ANTI-GRAFFITI WATER BLOCK TECHNICAL DATA SHEET

Rev. 11-2019



### System Overview

ACP AG500 Anti-Graffiti Water Block is a VOC compliant, multi-functional, self-cross linking water treatment for concrete, brick, tile, masonry, plaster and similar surfaces. AG500 Water Block imparts water resistance, retards fungus growth and reduces efflorescence on treated materials while maintaining the natural appearance of substrates. It is a proven water repellent for all types of masonry and wood substrates.

### AMERICAN COATING PRODUCTS (APC) ANTI-GRAFFITI SOLUTION SYSTEM: AG500 WATER BLOCK

#### 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 ACP Anti-Graffiti Solution System product
- 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.

#### WORK-SITE PREPARATION

Ensure that people, vehicles, property, foliage, surfaces not to 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.

**Technical Data**
**AG500 Anti-Graffiti Water Block**

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.*

**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.

**EQUIPMENT**

Low pressure sprayer (Hudson type) to apply AG500 Anti-Graffiti Water Block.

**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.

**AMERICAN COATING PRODUCTS AG500 WATER BLOCK PERFORMANCE (FEDERAL SPECIFICATION SS-W-110C)**

SUBSTRATE	WT RATIO AG500 WATER BLOCK	% 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.

**AMERICAN COATING PRODUCTS AG500 WATER BLOCK SUBSTRATE COVERAGE GUIDE: ALWAYS TEST TO ENSURE SUBSTRATE AESTHETICS AND COVERAGE.**

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

## Safety Information

ACP AG500 Water Block in concentrate is a solvent borne product and may cause symptoms typical with organic solvent exposures, and are combustible. AG500 Water Block 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 wash 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.

### 24 Hour Emergency Information:

Domestic Shipments and to Canada:

800-633-8253

International Shipments: 801-629-0667

### APPLICATION INSTRUCTIONS

1. Using a low-pressure sprayer (Hudson type) apply AG500 Water Block until fully saturated in a wet-onwet 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 AG500 Water Block, allow the treated surface to dry for at least 24 hours to develop maximum repellency.

### 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.

### DILUTION AG500 WATER BLOCK

**Dilute at 20:1 example:** 1 quart of AG500 Water Block to 5 gallons of cool clear water.

1 gallon of AG500 Water Block concentrate to 20 gallons of cool clear water. Yield 21 gallons total.

**Dilute at 16:1 example:** 1 quart of AG500 Water Block to 4 gallons of cool clear water.

1 gallon of AG500 Water Block concentrate to 16 gallons of cool clear water. Yield 17 gallons total.

*Dilution rate is dependent upon substrate and system*

### WARRANTY

Quadex LLC guarantees that if properly applied, AG500 Anti-Graffiti Water Block will exhibit water repellency on treated surfaces for five(5) years. Should lack of water repellency occur through treated areas during the warranty period, ACP LLC will supply AG500 Water Block 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 ACP LLC be liable for any consequential or incidental damages as result of the purchase or use of this product.