AG100 & AG200
ANTI-GRAFFITI TOP COAT
TECHNICAL DATA SHEET

Rev. 05-2020

QUADEX® INDUSTRIAL
A VORTEX COMPANY

COATINGS
SEALERS
ANTI-GRAFFITI

System Overview

The Quadex Anti-Graffiti System Solution offers a permanent, gloss or pigmented gloss coating system for graffiti control and general maintenance applications. This Anti-Graffiti System allows a property owner to maintain a graffiti, dirt, and stain-free environment over the useful life; "no re-coating" for 25-30 years. Graffiti, dirt, and stains can be removed completely without leaving any evidence, no matter what presently known paint or graffiti materials are used, and without the need for special equipment or training. The Anti-Graffiti System can withstand unlimited graffiti removals using AG400 Graffiti Wash without the need to reapply the coating. Our Anti-Graffiti System is designed to allow property owners a longterm and high-value solution for maintaining valuable property assets for up to 30+ years. Our Anti-Graffiti Top Coat products are available in clear and pigmented versions with flat, semi-gloss, or gloss finishes. AG100 and AG200 are high performance, permanent finish coatings that provide years of high resistance to UV degradation, stain, chemical, abrasion and other environmental influences. They also allow rainwater to remove dirt from the surface of the coatings, providing a self-cleaning effect on the protected structure.

QUADEX® ANTI-GRAFFITI SOLUTION SYSTEM:
AG100 TOP COAT - GLOSS | AG200 TOP COAT - PIGMENTED GLOSS

SYSTEM STRENGTHS

- SCAQMD Rule 1113 VOC compliant
- 10 Year to 30 year limited warranties available
- Permanent coating
- Easy graffiti removal
- Withstands unlimited removals
- General maintenance coating
- Pigmented AG200 (color match available)
- Comes in flat, (<5 on Gardner Gloss meter), semi-gloss, and gloss finishes
- Vapor permeable
- Controls rainwater penetration
- Excellent water repellency
- May be applied to smooth surfaces
- Excellent UV stability and stain resistance
- Non-yellowing
- Non-chalking
- Non-whiting of blushing
- Excellent salt spray and chemical resistance
- Excellent abrasion and corrosion resistance

SYSTEM LIMITATIONS

- Porous substrates and clear finish applications will require AG307 Anti-Grafitti Primer to achieve a pinhole free surface and barrier coat
- Not recommended for below-grade applications.
- Not recommended for some forms of plastics.
- Will not prevent water penetration through structural cracks, or open joints.

Technical Data

AG100 Gloss	AG100, AG101, AG102
Form:	Clear Liquid
Specific Gravity:	1.0868
WT/GAL:	7.68
Total Solids:	44.30%
AG200 Pigmented	AG200, AG201, AG202
Specific Gravity:	1.0868
WT/GAL:	9.46
Total Solids:	65%

AG100 and AG200

VOC:	<85.00 g/L
pH:	7 - 8.5
Pot Life:	1 hour 40 minutes
Shelf Life:	2 years in a tightly sealed unopened container

Meets SCAQMD Rule 1113 Requirements.

FINISH COATS

- AG100 Gloss
- AG101 Semi-Gloss
- AG102 Matte
- AG200 Pigmented Gloss
- AG201 Pigmented Semi-Gloss
- AG202 Pigmented Matte

SUBSTRATE APPLICATIONS

- Brick
- Concrete
- Stucco
- EIFS
- CMU Smooth
  - Split Faced
  - Burnished
  - Fluted
- Metal
- Painted Surfaces
- Bathroom Partitions
- FRP
- Wood

NOTES FOR CHART BELOW

Pinhole free substrate required for all applications requiring warranty. See Quadex® Industrial Anti-Graffiti Top Coating System Application Guide.

Always install a mock-up prior to starting the production application to ensure proper performance and aesthetics. AG307 Anti-Graffiti Primer is required to create a pinhole free surface on all necessary substrates.

* *AG500 Water-Block or silane siloxane waterproofing agent required on brick and cementitious surfaces.*
** *Bare metal requires a prime coat.*

AG100 AND AG200 TOP COAT SUBSTRATE COVERAGE GUIDE (PER ONE GALLON): COVERAGE IS BASED ON ONE COAT. AG100 CLEAR VERSION REQUIRES AG307 ANTI-GRAFFITI PRIMER.

SUBSTRATE	TYPE	USE	AG100 COVERAGE RATES OVER A PINHOLE FREE SURFACE	AG200 COVERAGE RATES OVER A PINHOLE FREE SURFACE
Architectural Concrete Block	Honed Smooth Ribbed Split-Faced	Yes* Yes* Yes* Yes*	100-150 sq. ft.	100-150 sq. ft.
Concrete	Brick Tile Precast Panels Cast-in-place	Yes* Yes* Yes* Yes*	120-170 sq. ft.	120-170 sq. ft.
Fire Clay	Brick Tile Terra Cotta	Yes* Yes* Yes*	120-170 sq. ft.	120-170 sq. ft.
EIFS Stucco Plaster		Yes* Yes* Yes*	140-175 sq. ft.	140-175 sq. ft.
Painted Substrates		Yes	160-200 sq. ft.	160-200 sq. ft.
Metal		Yes**	170-225 sq. ft.	170-225 sq. ft.

WORK-SITE PREPARATION

Protect people, vehicles, property, foliage, and surfaces that are not to be coated and that may be subject to splash, fumes, and wind drift of product. 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 contaminates that might prevent adhesion of coating. New concrete should be thoroughly cured 28 days before application. Avoid "hot" "not cured" stucco. pH levels are to be neutral, below 9-10, prior to application of all Quadex® Industrial Anti-Graffiti products. 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. Some specialized coatings should be applied in narrower temperature ranges.

EQUIPMENT

Airless sprayer to apply AG100 and AG200 Top Coat. Preferred tip size: 517. Use low pressure to create an efficient fan of material during application.

Roller rig with proper sized nap depending on substrate to be coated.

Pre-dampened roller.

CLEAN UP & DISPOSAL

Clean tools and equipment immediately after use with MEK or acetone as allowed by local regulations.

Return unused products per Manufacturer's requirements. Dispose other materials and containers in accordance with local, state and federal regulations.

Dilution: Do not dilute. Refer to mixing instructions.

GENERAL APPLICATION INSTRUCTIONS AG100 OR AG200 TOP COAT

(APPLICATION GUIDE PROVIDES COMPLETE INSTRUCTIONS)

1. (a) Prior to the application of the AG100 Top Coat(s), a determination must be made as to the need of a primer and/or base coat. Natural substrates require AG307 Anti-Graffiti Primer. Pinhole free substrate required. Wait for Manufacturer's recommended re-coat time prior to moving to Step 2. Refer to AG307 Product Tech Data Sheet.
   (b) Prior to the application of the AG200 Pigmented Top Coat(s), a determination must be made as to the need of a primer and/or base coat. Wait for recommended Manufacturer's re-coat time prior to moving to Step 2.
2. Once step 1 is completed, mix Anti-Graffiti finish coat Part A to ensure proper solution uniformity. Some solids in Part A may settle which need to be thoroughly mixed into a homogeneous mixture before the introduction of the Part B component.
3. Pour contents of the Part B component into the container of Part A or other suitable container as instructed by Manufacturer. Mix components for 3 to 5 minutes at a slow steady pace until a homogeneous solution is achieved.
4 Apply one coat of mixed solution in a crosshatch pattern. One wet coat utilizing a 50% overlap is considered one coat. This will eliminate flash lines and improve appearance. When spraying, keep the spray gun 10 to 12 inches from the substrate and the application pressures just high enough to create an efficient fan. A 517 tip is recommended. Back roll after spraying may be required. High pressure will result in an over-atomization of the product possibly having negative effects, a reduced trans-efficiency rate, and create unnecessary amounts of overspray. If conditions require, coating may be rolled on and then back rolled.
5. After Step 4, if a second coat is necessary, allow coating to dry to the touch then apply second coat of finish coat.
6. The AG100/AG200 Top Coat should be applied to achieve a final 3.5 mils - 4 mils dry (7.0 - 8.0 mils, wet) to achieve optimal performance.
7. Do a test sample prior to application. The test sample will confirm appearance, compatibility, coverage, and color. A sign off and approval sheet must be completed prior to final application per Manufacturer's requirements.
8. Allow AG100/AG200 Top Coats to cure for 7 days prior to removal of graffiti.
9. Some specialized coatings may require different application techniques. Please consult with Manufacturer.
10. See the Application Guide for application details.

Safety Information

Quadex® Industrial Anti-Graffiti Top Coats are VOC Compliant, solvent borne products and may cause symptoms typical with organic solvent exposures, and are combustible. **Read SDS for precautionary instructions prior 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

Warranty

10 year, 20 year, and 30 year performance warranties available Quadex Industrial Anti-Graffiti System. Performance warranty guarantees unlimited removals, no ghosting, staining, or shadowing, and provides material, labor, and surface restoration if it ever fails once warranty is issued in writing. Contact Quadex LLC for full details and requirements for issuance of warranty. Until requirements for warranty are met, Quadex makes no express or implied warranties of any kind or nature. In no event shall Quadex LLC be liable for any special, consequential or incidental damages as a result of the purchase or use of this product.

TEST DATA RESULTS AND PERFORMANCE STANDARDS

Chemical Resistance	*NE =No Effect*
MEK	NE after 5 days
Carboxylic Acid	NE after 5 days
Phosphoric Acid 75%	NE after 5 days
Hydrochloric Acid 37%	NE 4 hour blister
Sulfuric Acid 50%	NE after 5 days
Nitric Acid (NIT) 20%	NE 68 hour blister
IPA	NE
Toluene	NE
Acetic Acid 100%	NE
Sodium Hydroxide 50%	NE
Aniline	NE
Gasoline	NE
Skydrol	NE
Motor Oil	NE
Acid Rain	NE
MEK double rubs	500+
Perm Rate	6.99
Rust	(ASTM D-610-85) Less than .03% degradation
Abrasion Test (ASTM D968)	10 Liters of sand to abrade 1 mil. Dry coating
Salt Spray Test	ASTM B117 & ASTM D714 (8,000 Hours Minimum)
Hardness Test	ASTM 530 (former standard)
VOC Test	ASTM D3960
Tensile Strength and Elongation	ASTM D412
Pass 3/8 Inch Mandral	ASTM D522
Vapor Transmission	ASTM E96 Vapor is transmitted.
Adhesion Test	ASTM D3359-90

- Minimum 120 cleaning cycles over same area without measurable coating deterioration
- Non-yellowing and free of waxes and urethanes
- Decreases dirt pick-up on substrate
- Life Expectancy — 30 to 35 Years

GRAFFITI REMOVAL

Use AG400 Erasol to remove graffiti. See Technical Data Sheet for instructions.

SUCCESSFUL APPLICATION TIPS

- Follow safety procedures
- Prepare surfaces properly
- Stucco manufacturers recommend pH Levels below 9-10 on brown coats before applying finish coats or paints.
- Be aware of environmental conditions
- Use clean equipment, no cross contamination
- Follow mixing and application instructions
- Choose and use proper base coat
- Be aware of wind conditions and surrounding vehicles, homes, and businesses.
- Clean up, store, and dispose of products and equipment properly.