



# DIATHANE AGC

*Anti-Graffiti Coating  
VOC Compliant Urethane*

## 1. Product Description

a. **Basic Use:** Diathane AGC is a VOC compliant urethane coating intended to protect a wide range of substrates from graffiti abuse. Diathane AGC is resistant to spray paint, ink, crayons and harsh chemicals and may be applied to virtually any sound, clean and dry surface. Diathane AGC provides a smooth, attractive and easy-to-clean surface.

### b. Features/Benefits:

- Excellent bonding properties permit application to most sound surfaces with incredible adhesion-including drywall, wood, concrete, brick, and other surfaces.
- VOC compliant technology permits interior applications with no toxic odors or fire hazard.
- Repels substances normally employed in graffiti abuse.
- Dense surface resists mildew and bacteria.
- Abrasion-resistant coating outwears conventional paints by approximately 6 to 1.
- Available in many standard colors to provide a decorative semi-gloss surface.
- Dries to touch within 5-6 hours after application at 70°F (21°C).
- Unaffected by exposure to low temperatures after final curing.
- Consists of a VOC compliant urethane system to allow total compliance with VOC regulations.
- Bonds to itself, allowing for multiple coats.
- Has the viscosity of conventional paint permitting application on horizontal and vertical surfaces with a brush or roller.
- Resistant to harsh cleaning chemicals and scouring cleansers.

c. **Typical Applications:** Schools, penitentiaries, subway and bus terminals, restrooms, retaining walls, highway overpasses, universities, hallways and corridors.

d. **Limitations:** Do not apply when substrate and ambient temperatures are less than 50°F (10°C). Concrete must be 28 days old before coating.

e. **Composition:** Diathane AGC is a VOC compliant, two component urethane coating having the viscosity of conventional paint.

f. **Color/Appearance:** Diathane AGC is available in a wide range of standard colors including; black, blue, light blue, brown, dark brown, light brown, medium gray, charcoal gray, concrete-tone gray, dark gray, green, light reflective, red, safety yellow, white, and clear. Custom colors are available at additional cost when quantities exceed 100 gals. (379 liters).

## 2. Packaging

Diathane AGC is supplied in units, each containing the proper proportions of liquid components. Standard packaging information is shown below:

<i>Unit Size</i>	<i>Binder</i>	<i>Activator</i>	<i>Shipping Wt.</i>
<i>3 gal. (11.4 liter)</i>	<i>2 gal. (7.6 liter)</i>	<i>1 gal. (3.8 liter)</i>	<i>40 lbs. (18.1 Kg)</i>
<i>15 gal. (56.8 liter)</i>	<i>10 gal. (37.9 liter)</i>	<i>5 gal. (18.9 liter)</i>	<i>195 lbs. (88.5 Kg)</i>

## 3. Estimating/Coverage

The recommended coverage rate for Diathane AGC is 250-350 sq. ft./gal. (6.1-8.6 sq. m./liter). One coat applied at 250 sq. ft./gal. (6.1 sq. m./liter) will produce a 3 mil (0.08 mm) dry film thickness. For best results, use two coats.

## 4. Technical Data

### a. Chemical Resistance:

<i>Wax</i>	<i>Excellent</i>
<i>Aerosol Paints</i>	<i>Excellent</i>
<i>Urine</i>	<i>Excellent</i>
<i>Diluted Acids</i>	<i>Very Good</i>
<i>Concentrated Acids</i>	<i>Not Recommended</i>
<i>Alkalis</i>	<i>Excellent</i>
<i>Solvent Wiping</i>	<i>Very Good</i>
<i>Brake Fluids</i>	<i>Very Good</i>
<i>Gasoline</i>	<i>Excellent</i>
<i>Ethylene Glycol</i>	<i>Excellent</i>
<i>Battery Acid</i>	<i>Excellent</i>
<i>Oil</i>	<i>Excellent</i>

b. **Abrasion Resistance:** Taber Abrasor CS-17 Calibrase Wheel, 1,000 gram load, 500 cycles 24 mg. weight loss.

c. **Impact Resistance:** Gardiner Variable Impactor 160 in.-lb. (1840 mm-Kg.) direct passed.

## 5. Directions for Use

a. **Preparation:** The surface to be coated must be sound, dry and thoroughly clean. Remove all curing compounds or form release agents. Old coatings must be removed. Waterzall Degreaser solution should be scrubbed on the substrate to remove all oil, grease, dirt or grime and other deleterious materials.

b. **Priming:** All bare or previously unpainted concrete, brick, wood or metal surfaces should first be coated with Diamite Primer. Diathane AGC can also be used as its own primer in two-coat applications.

c. **Mixing:** Thorough blending of all components is essential. Use a power drill with a Metco Jiffy mixing paddle. First, mix the binder separately; then mix the activator separately. Next, add the mixed activator to the mixed binder and thoroughly blend for at least two minutes at revolution speeds that will not entrap air bubbles into the freshly mixed Diathane AGC. Let stand for two minutes and blend again for two additional minutes.

d. **Application:** After all bare or previously unpainted surfaces have been primed, apply the mixed Diathane AGC over the area to be coated using a brush, roller or sprayer. One coat usually provides excellent cover and appearance. To insure uniform coverage and total protection against graffiti attack, two coats are recommended. Thinning with solvent is neither required nor recommended.

e. **Working Time/Pot Life:** All mixed Diathane AGC should be applied within 45 minutes after mixing.

f. **Cure Time:** Diathane AGC becomes tack-free in approximately 5-6 hours and may be recoated at this time if additional protection is required. Final cure time requires 3 to 5 days. All cure times are based on ambient and substrate temperatures at 70°F (21°C).

g. **Clean Up:** Waterzall Concentrate and warm water may be used for cleaning tools and equipment.

h. **Maintenance:** Diathane AGC surfaces should be cleaned with a Waterzall Concentrate and water solution. Waterzall Concentrate may be used at full strength to remove built-up deposits and stains. Diathane AGC may be reapplied to itself.

## 6. Availability

Diathane AGC is normally available immediately from your local distributor or it will be shipped within 5 working days upon receipt of order. Custom colors may take up to 8 working days before shipping. Please contact your local Metalcrete representative or call Metalcrete directly for more information.

## 7. Warranty

Diathane AGC is manufactured in strict accordance with the quality control standards of Metalcrete Industries. It is guaranteed to perform as indicated on this data sheet when applied by competent applicators.

## 8. Technical Service

Metalcrete technical service representatives are available to provide on-site assistance with a minimum three day notice.



**Metalcrete Industries**

4133 Payne Avenue • Cleveland, Ohio 44103  
440-526-5600 • 800-526-5602 • FAX 440-526-5601