



AquaGlaze™ System

Water Based, Universal, High Performance Sealing System

STEP 1	Part A	W1-07
	Part B	W1-07B
STEP 2	Part A	50G900
	Part B	50B

SPECIFICATIONS

DESCRIPTION:

AquaGlaze System is a two step, high performance coating system developed to provide exceptional protection and intense enhancement of concrete and masonry surfaces. Formulated from cutting edge technology, the revolutionary, water based undercoat **AquaGlaze** brings out detailed patterns and enhances the colors in stone and masonry. **AquaGlaze** provides the same superior deep penetration and enhancement as **Wet Look**, in an environmentally friendly, extremely low VOC, water based formula. **TriAqua W** is a low VOC, water based topcoat that dries to a tough, durable finish for repelling water and stains. This system exhibits excellent adhesion and provides an extremely durable, hard, glossy finish for interior and exterior applications. The **AquaGlaze System** is ideal for protecting natural and manufactured surfaces such as stone and wood from harsh elements and heavy use.

USE:

AquaGlaze System is ideal for use on:

- manufactured or natural stone and wood
- colored, stamped, or exposed aggregate concrete
- interlocking concrete pavers
- masonry brick, slate and tile
- ceramic and other siliceous surfaces
- ferrous and non-ferrous substrates

Product results will vary by substrate and application method.

It is the user's responsibility to determine the suitability and performance of this product for their application.

ADVANTAGES:

- Formulated for interior and exterior use
- Environmentally safe
- Extremely low VOC
- Excellent adhesion
- Water repellent
- Easy to apply
- UV resistant
- Recoatable
- Near Odorless

LIMITATIONS:

- Not intended for water immersion or potable water
- If used without TriAqua W, AquaGlaze base coat may stain
- If used without AquaGlaze, TriAqua W top coat will not penetrate or enhance substrate
- For use on metal or plastic, testing is required

ORDER CODE: W9-03K

PACKAGING:

The **AquaGlaze System** is packaged as a kit. Containers may be partially filled for proper mixing ratios.

KITS:

- 1 quart kits
- 1 gallon kits
- 5 gallon kits

PROPERTIES

STEP 1: AquaGlaze Base Coat

VOC: [mixed] 35.20 g/l – (0.29 lbs/gal)

FLASH POINT: [setaflash] >250° F (>121° C)

APPEARANCE:

Wet clear

Dry clear; gloss

ODOR: mild acrylic

WEIGHT PER GALLON: [mixed] 8.6 ± 0.5 lbs

APPLICATION VISCOSITY: [recommended, mixed]

#2 Zahn 20-25 sec

SOLIDS: [mixed]

By Weight 27.2 ± 3%

By Volume 24.6 ± 3%

COVERAGE: [approximate]

Porous Surface 50-200 sq ft/gal

Dense Surface 300-400 sq ft/gal

For coverage rates on varying substrates, apply measured quantities of product to 1 square foot of substrate. Repeat until saturation obtained. Saturation obtained when material begins to pool on surface.

STEP 2: TriAqua W Top Coat

VOC: [mixed] 94 g/l – (0.78 lbs/gal)

FLASH POINT: [setaflash] >250° F (>121° C)

APPEARANCE:

Wet clear

Dry clear; gloss

ODOR: mild acrylic

WEIGHT PER GALLON: [mixed] 9.2 ± 0.5 lbs

APPLICATION VISCOSITY: [recommended, mixed]

#2 Zahn 25-30 sec

SOLIDS: [mixed]

By Weight 57.0 ± 3%

By Volume 46.0 ± 3%

ASTM D3363 PENCIL HARDNESS:

H - 2H Pass

COVERAGE: [approximate]

Theoretical at 1.5 mils DFT 492 sq ft/gal

Recommended DFT 1.5 - 3.0 mils

DRY SCHEDULE: [at 50% RH and 1.0 mil DFT]

STEP 1: AquaGlaze

	45° F	77° F	85° F
Dry to Touch	90 mins	40 mins	30 mins
Recoat	6 hrs	4 hrs	3 hrs
Dry to Handle	8 hrs	8 hrs	8 hrs

STEP 2: TriAqua W

	45° F	77° F	85° F
Dry to Touch	2 hrs	60 mins	30 mins
Recoat	16 hrs	4 hrs	2 hrs
Dry to Handle	16 hrs	8 hrs	4 hrs
Full Cure	7 days	7 days	7 days
Critical Recoat Window: None.			
*Apply Step 2 when Step 1 is Dry to Handle.			

ASTM test results were conducted using Bondrite™ 1000 steel panels



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APPLICATION DATA

SURFACE PREPARATION:

- Surface must be completely clean and dry to the touch.
- Remove all dirt, wax, old paints or sealers with appropriate cleaner, chemical stripper or abrasive blasting. If muriatic acid has been used, the surface must be flushed with clean water and neutralized with a pH neutralizer such as **White Mountain Jobsite Cleaner**. We do not recommend muriatic acid for cleaning concrete as it may discolor the surface, etch the concrete, and is hazardous to use.
- Allow new concrete to cure for at least 24 days before application.
- Priming may be required for plastic or metal surfaces.

MIXING: STEP 1: AquaGlaze and **STEP 2: TriAqua W** are two-part coatings. Each step must be mixed properly before application.

STEP 1 MIXING PARAMETERS: AquaGlaze

Ratio: [Part A : Part B]
 By Weight 19.56 : 1
 By Volume 20.00 : 1
Induction Time: 45 mins
ASTM D2196 Pot Life: [valid for qtys of 1 gallon or more]
 77° F 8 hours

STEP 2 MIXING PARAMETERS: TriAqua W

Ratio: [Part A : Part B]
 By Weight 39.90 : 1
 By Volume 43.00 : 1
ASTM D2196 Pot Life: [valid for qtys of 1 gallon or more]
 77° F 5 hours

THINNING: none

APPLICATION METHODS:

AquaGlaze System can be applied with a brush, roller, or most types of spray equipment. For small areas, a pump-up garden sprayer is convenient, however, regularly clean spray tip with water and a stiff brush. One base coat and one top coat will seal and protect the surface, while additional coats will give more protection and higher gloss. If multiple coats are desired, apply all coats of Step 1 before all coats of Step 2. Apply Step 2 when Step 1 is Dry to Handle. Do not over apply. Excess should not be allowed to pool or puddle.

Brush synthetic bristle brush

Roller 1/4" to 3/8" nap

HVLP:

STEP 1	Fluid Tip & Needle:020" Fluid Pressure: 5 - 6 psi Air Cap Pressure 60 psi Pressure pot application recommended <i>(stainless steel or aluminum)</i>
STEP 2	Fluid Tip & Needle:030 - .045" <i>(stainless steel)</i> Fluid Pressure: 10 - 15 psi Air Cap Pressure 60 psi Pressure pot application recommended <i>(stainless steel or aluminum)</i>

APPLICATION METHODS: (continued)

Air Assist Airless:

STEP 1	Fluid Tip:011 - .013" Fluid Pressure: 700-800 psi Air Cap Pressure 8-10 psi
STEP 2	Fluid Tip:013 - .015" Fluid Pressure: 800-1,200 psi Air Cap Pressure 8-10 psi

Do not apply **AquaGlaze System** during inclement weather or in direct sunlight when temperature exceeds 80°F. Do not apply to wet or damp surfaces. Air and surface temperature should be between 50°F and 80°F for 24 hours following application.

Water Penetration Test: Sprinkle a small amount of water on the sealed surface. If water penetration occurs or if water does not bead up on surface, apply additional sealer. This test should be performed after each applied coat.

CLEANUP: water
 Flush tools with clean water while product is still wet.

MAINTENANCE: pressure wash, hose, or mop
 Periodic cleaning with **Jobsite Cleaner** is recommended.

TO REMOVE: acrylic stripper or abrasive blasting

HEALTH & SAFETY PRECAUTIONS

WARNING:

LIQUID CONTACT WITH EYE AND SKIN CAUSES IRRITATION. DO NOT INGEST. Avoid contact with eye and skin. Wash hands thoroughly after using and before eating and smoking. Keep container closed when not in use. If spillage occurs, absorb and dispose of according to local regulations. **Contains:** Acrylic Polymer; Benzisothiazolinone, CAS#2634-33-5; Glycidopropyl Trimethoxy Silane, CAS#2530-83-8; Ethyl-3-Ethoxypropionate, CAS#763-69-9; 1-Methyl-2-Pyrrolidone, CAS#872-50-4; Tributoxyethyl Phosphate, CAS#78-51-3; Anhydrous Ammonia, CAS#7664-41-7; Polyfunctional Aziridine, CAS#64265-57-2.

FIRST AID: Should eye contact occur, flush with plenty of water for at least 15 minutes and get medical attention if vision is disturbed. For skin, wash thoroughly with soap and water. If swallowed, seek medical attention immediately. DO NOT induce vomiting.

NOTICE: Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

CA PROPOSITION 65:

This product contains a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

**THIS PRODUCT IS FOR PROFESSIONAL USE ONLY.
 KEEP OUT OF REACH OF CHILDREN.**

SHIPPING & HANDLING

SHIPPING DESCRIPTION: [CFR 49]

Ground, Air, Vessel Non Regulated Material
 Required Label & Marking Not Required
IMDG PACKAGING & STOWAGE: Not Regulated
UNIFORM FIRE CODE: [CFR 29] Non Combustible
STORAGE TEMPERATURE: 45°F - 90°F
KEEP WATER BASED PRODUCTS FROM FREEZING
SHELF LIFE: [warranted] 1 YEAR
HMIS RATINGS: H - 1; F - 0; R - 0; PP - B

WARRANTY: The statements made herein, on labels, product bulletins, or by any of Triangle Coatings', Inc. employees or agents concerning this product are given for general information only. Due to variables beyond Triangle's control in application, surface preparation, surface temperature, humidity and other variable factors Triangle assumes no liability for any claim that may arise out of the use of its products and disclaims any warranty expressed or implied relating to the storage, application, thinning, merchantability, Buyer's assumption of performance, and the fitness for a particular purpose. Receipt of products from Triangle or its agents constitutes acceptance of the terms of this warranty. In the event that Triangle finds that the product delivered is not of Triangle's standard quality, Triangle will at its sole discretion, either replace the product or refund the purchase price. Triangle's choice of one of these remedies shall be the Buyer's sole remedy. Triangle will under no circumstances be liable for consequential damages, except insofar as liability is mandated by law. Triangle will deliver products at agreed times insofar as it is reasonably able to do so, but it will not be liable for failure to deliver on time when the failure is beyond its reasonable control.

Product Data Sheets are periodically updated to reflect new information relating to the product. It is important to obtain the most recent Product Data Sheet for the product being used before application. W9-03K-10/12-002