

TRIANGLE INDUSTRIAL

TriAqua W™

Ultra Low VOC Compliant Water Based Topcoat

Specifications

DESCRIPTION:

TriAqua W Series is a high gloss, 50 g/l VOC, water based air dry topcoat. This topcoat exhibits very good adhesion to properly prepared ferrous metals. **TriAqua W** produces a near automotive gloss and DOI finish, with no orange peel. It has fast hard dry and early water resistance. **TriAqua W** has negligible environmental hazards and negligible health hazards.

USE:

TriAqua W is formulated for use on ferrous metal parts not requiring special chemical or **extreme** abrasion resistance. It is specifically designed for larger air dry fabrications going into exterior service: farm and construction equipment, tools, trailers, light poles, gas cylinders, and shop finished architectural components.

ADVANTAGES:

- Ultra low VOC
- Very high gloss and DOI
- Extremely smooth surface
- Direct to metal
- Fast dry, comparable to solvent systems
- Eliminates solvent disposal and reduces overall cost

LIMITATIONS:

- Formulated for spray application
- Surface temperature must be below 90°F and above 40°F for proper application
- Not recommended for submersion, below grade, or direct chemical contact service
- May exhibit lower gloss if applied to improperly prepared substrates
- May yellow in absence of sunlight
- Six month shelf life

Properties

VOC: [as packaged] less than 50 g/l – (0.41 lbs/gal)

FLASH POINT: [setaflash]..... >200 ° F

APPEARANCE:

Gloss (G) @ 60° 90+

@ 20° 80-85

WEIGHT PER GALLON: [average] 8.3-10 lbs

PACKAGE VISCOSITY: [#3 Zahn] 25-30 sec

SOLIDS:

 [average]

By Weight 57 ± 10%

By Volume 46 ± 10%

COVERAGE:

 [average]

Theoretical at 1.5 mils DFT 492 sq ft/gal

Recommended DFT 1.5 - 3.0 mils

DRY SCHEDULE:

 [at 50% RH and 1.5 mils DFT]

	45° F	60° F	75° F	90° F
Dry to Touch	2 hrs	1 hrs	30 mins	15 mins
Handle/Recoat	16 hrs	8 hrs	4 hrs	2 hrs
Full Cure	7 days	7 days	7 days	5 days

After 1 week, light sanding may be necessary if cured coating is subject to exterior exposure for extended periods.

COLOR AVAILABILITY:

TriAqua W is available in factory stock colors. Triangle stocks safety and traditional implement colors. Many colors may be tinted, however, special costing will be applied.

ORDER CODE:

 50 + gloss + color #

Individual products are identified by the product series number, followed by a gloss identifier and color number.

Ex: 50G632 is TriAqua W, Gloss, Med. Gray ANSI 61

G = gloss

S = semi-gloss

M = matte

F = flat

PACKAGING:

Four 1 gallon cans per case

5 gallon pails

55 gallon drums

250 gallon totes

TriAqua W™

Ultra Low VOC Compliant Water Based Topcoat

Application Data

SPECIAL INFORMATION:

- Applied material must be protected from all forms of moisture until recoat dry time is met
- Bare metal must have proper pretreatment
- Wood and galvanized metal must be primed

SURFACE PREPARATION:

- Surfaces to be coated must be clean, dry, and free of oil, grease, dust, flaky rust, mill scale, and other foreign matter that could interfere with adhesion.
- Recommended surface preparation includes iron phosphate, zinc phosphate, and surface blasting that removes all mill scale.
- Both surface temperature and ambient temperatures must be above 50° F and remain above 50° F for four hours after application.

RECOMMENDED PRIMERS:

- 965P TriPrime W
- 966P TriBond W
- 964P ShopCoat W

Consult your Triangle Coatings representative for solvent based primer recommendations.

APPLICATION:

Apply **TriAqua W** using HVLP, air-assisted airless, or airless.

HVLP:

Fluid Tip and Needle: .030 - .045" stainless steel
 Fluid Pressure: 10 - 15 psi
 Pressure pot application is recommended (stainless or aluminum)

Air Assist Airless:

Fluid Tip:013 - .015"
 Fluid pressure: 800 - 1,200 psi
 Air Cap Pressure: 10 psi

Airless:

Fluid Tip:013 - .015"
 Fluid Pressure: 2,000 - 2,500 psi

THINNING:none

CLEANUP: water
 Clean wet tools with water.

Health & Safety

WARNING:

COMBUSTIBLE LIQUID AND VAPOR. May be harmful if swallowed or inhaled. Vapor may affect the brain or nervous system causing dizziness, headache or nausea and can cause nose and throat irritation. Liquid contact with eye and skin causes irritation. Keep away from sparks, heat or open flames. Use with adequate ventilation. Avoid breathing of vapor. Avoid contact with eyes, skin, and clothing. Wash hands thoroughly after using and before eating and smoking. Wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during and after application unless air monitoring demonstrates vapor levels are below applicable limits. Follow respirator manufacturer's directions for use. Keep container closed when not in use. If spillage occurs, absorb and dispose of according to local regulations.

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.

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.

THIS PRODUCT IS FOR PROFESSIONAL USE ONLY.

KEEP THIS PRODUCT OUT OF THE REACH OF CHILDREN.

Shipping & Handling

SHIPPING DESCRIPTION: [CFR 49]

Ground, Air, Vessel Non Regulated Material
 Required Label & Marking Not Required

IMDG PACKAGING: Not Required

IMDG STOWAGE: Not Regulated

UNIFORM FIRE CODE: [CFR 29] CLASS III-B

STORAGE TEMPERATURE: 120° F max

SHELF LIFE: [warranted] 6 MONTHS

HMIS RATINGS: H - 1; F - 1; R - 0; PP - H

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.