

AquaMAX™ DTM

Corrosion Inhibiting Antenna Structure Coating

SELECTION DATA

DESCRIPTION:

AquaMAX DTM, 18GJPL700, is a direct to metal, fast dry, corrosion inhibiting, latex semigloss finish for exterior metal surfaces. **AquaMAX DTM** uses a new generation, hard drying acrylic resin that features excellent block and abrasion resistance, excellent water resistance, UV resistance and long term durability. **18GJPL700** uses zinc phosphate pigmentation for long term corrosion inhibition. The combination of effective active corrosion inhibition and a dense water impermeable and water resistant film provides excellent, long term protection for iron and steel.

USE:

AquaMAX DTM's design use is for finishing structural steel where relatively demanding environmental exposure is required, i.e.; antenna structures, bridges, light towers, exposed structural steel in buildings, etc. It is highly recommended as a one coat finish for galvanized metal in mild to moderate exposures: galvanized buildings, storage silos, gutters, downspouts and flashings and as a two coat primer/finish for the same surfaces in more humid/severe climates. **AquaMAX DTM** is also an excellent all surface maintenance finish in industrial facilities. **18GJPL700** will provide superior protection on iron, steel, galvanized, aluminum, wood, drywall, concrete, CMU, brick and cement plaster in both interior and exterior service.

ADVANTAGES:

- Nonflammable, no chemical hazard.
- Simple, safe water clean up.
- DTM primer and finish.
- Literal state of the art protection for iron and steel.
- Multi-surface versatility.
- Good gloss and color retention

LIMITATIONS:

- May be too fast drying for brushing large areas.
- Not recommended for chemical environments or submersion including prolonged or constantly reoccurring ponding.
- Not for traffic bearing surfaces or surfaces subject to negative hydrostatic pressure.

PHYSICAL PROPERTIES

VOC: [as packaged] 205 g/l - (1.7 lbs./gal.)

APPEARANCE: [Gloss at 60°]

Semigloss (S) 45 – 55

WEIGHT PER GALLON: [average] 8.7 lbs.

FLASH POINT: [setaflash] 248° F.

PACKAGE VISCOSITY: 90 – 100 KU

SOLIDS: [average]

By Weight 49 ± 1%

By Volume 34 ± 1%

COVERAGE: [average]

Theoretical at 1 mil DFT 469 sq.ft./gal.

Theoretical at 2 mils DFT 235 sq.ft./gal.

Recommended minimum DFT 2 mils.

[On new unpainted; 2 mils per coat, 2 coats]

DRY SCHEDULE: [at 50% RH and 2 mils DFT]

	50° F.	60° F.	75° F.	90° F.
Touch	2 hrs.	1 hrs.	30 mins.	25 mins.
Recoat	24 hrs.	8 hrs.	4 hrs.	3 hrs.
Rainproof	24 hrs.	8 hrs.	4 hrs.	3 hrs.
Hard Cure	14 days	7 days	4 days	3 days

COLOR AVAILABILITY:

18GJPL700 is packed as White. It is not amenable to normal store or field tinting.

ORDER CODE: 18GJPL700

PACKAGING: [average]

Four ea. 1 gallon cans per case 40 lbs.

One ea. 5 gallon plastic pail 50 lbs.

One ea. 55 gallon metal drum 460 lbs.

TRIANGLE COATINGS, INC.

Tel: 510-895-8000

800-895-8000

Fax: 510-895-8800

www.tricoat.com

TRIANGLE™



AquaMAX™ DTM

Corrosion Inhibiting Antenna Structure Coating

APPLICATION DATA

REQUIREMENTS FOR APPLICATION:

- Both surface and ambient temperatures should be above 50° F.
- Surfaces being primed must be dry, +5° F. above the dewpoint and protected against moisture until rainproof as per chart above.
- Surfaces must be clean, 100% free of contaminants through which water cannot penetrate including accumulated dirt/dust, oils, grease, mud and any form of silicone.
- All rust and mill scale should be removed. Minimum prep. is SSPC-SP1 for non critical uses in moderate environment; SSPC-SP7 or better for long term protection in severe environments.
- All loose, peeling or otherwise marginally adherent paint must be removed. Old enamels and other slick surfaces must be abraded to dull.

PRIMING:

For improved corrosion resistance, prime with Triangle's CAL24 latex primer.

FILM DEVELOPMENT & THICKNESS:

AquaMAX DTM is designed for application at a rate that will produce a dry film thickness of 2 mils per coat. One coat is recommended for non critical uses, galvanized gutters or non exposed structural steel and two coats for critical or severe exposures such as antenna structures or bridges. Unreduced **AquaMAX DTM** applied at 340 sq.ft./gal. produces a 2 mil DFT with 3% waste.

THINNING:

AquaMAX DTM may be thinned with potable water up to 15% by volume to enhance leveling or extend open time. However, spread rates must be reduced proportionally and film thickness maintained.

APPLICATION:

AquaMAX DTM is recommended for application by brush, mitt and spray. Brush small areas, irregular and hard to reach spots. "Cut in" to spot prime problem areas such as bolts or welds and to touch up. Mitts are recommended on small diameter pipes and on small angle or channel iron. However, mitts apply very uneven films; monitor film thick-

ness. Airless is recommended for large surface painting. Conventional and HVLP are appropriate anywhere overspray is not a problem.

Brush: Professional quality nylon and nylon polyester blended brushes.

Airless: +½ gpm, .015" – .017" tips.

Conventional/HVLP: .040"-.050" fluid nozzles.

CLEANUP: Water
Clean up tools, hands and splatters with water. Dried **AquaMAX DTM** can be cut with AT17 Wash Thinner.

SAFETY AND HANDLING

FLASH POINT: [setaflash] 248° F. (120° C.)

SHIPPING DESCRIPTION: [CFR 49]

Domestic Ground/Air/Vessel: Not regulated

IMDG PACKAGING & STOWAGE: .. Not regulated

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

STORAGE TEMPERATURE: 120° F. max.

SHELF LIFE: [warranted] 1 Year

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

(04/06/01)

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.