

# AQUAMARK TRAFFIC PAINT

Water Based Cross-Linking Technology  
Meets FAA TTP 1952-E Standard



An Industrial Care  
Company

## Technical Data Sheet

### PRODUCT DESCRIPTION

AQUAMARK TRAFFIC PAINT emulsion is an all-acrylic emulsion binder for high-durability traffic markings. Using a patented cross linking technology, AQUAMARK TRAFFIC PAINT emulsion combines exceptional durability with the ease of handling and application typically associated with water-based technology. Designed to be a true waterborne durable traffic paint, AQUAMARK TRAFFIC PAINT emulsion is ideal for situations where existing waterborne paint equipment is available, and where the additional benefits of rapid drying and excellent glass bead retention are critical. The ease of clean-up, enhanced worker safety, and reduced disposal costs are inherent features of AQUAMARK TRAFFIC PAINT emulsion that can translate into additional value and convenience for pavement marking applicators.

### RECOMMENDED USES

For use over emulsified coal tar type compounds (sealers) (asphalt) where conventional traffic paints (solvent thinned) may cause the surface to crack, bleed, or lift. This material is also ideal for regular application over cured asphalt, cement, and other concrete surfaces. It serves as excellent binder for glass beads to make reflective markings. Ideal for applications at:

- Airfield & Runways
- Highways
- Parking Lots
- Warehouses
- Playgrounds

### RECOMMENDED SYSTEMS

For Highways, Roads, and Parking lanes: 200 Micron Dry Film Thickness with Glass Beads application.

For Airport Runways: 300 Micron Dry Film Thickness with Glass Beads Application.

For thicker films, large particle size glass beads are recommended for optimum retro reflectance and night visibility.

The systems listed above are representative of the product's use, other systems may be appropriate. A wet film thickness of 450 microns (300 dry) is recommended to achieve the highest durability, while thinner lines, e.g., 280 microns wet, (200 dry) will allow for accelerated drying.

AQUAMARK emulsion can be applied with airless or conventional spray equipment to asphalt, concrete, or existing road markings that are adhering well to the pavement surface. Air and surface temperature should be above 50°F and at least 5°F above the dew point during application. Paints will require longer drying times when the relative humidity exceeds 90%.

NOTE: Brush or roller application for small areas only

### Clean Up Instructions:

Clean-up is accomplished with clean or soapy water to remove wet paint from equipment. Stainless steel equipment should be used, and typical paint solvents can assist if removal of dried paint from tools and equipment is necessary. All solvents and solvent-borne paint should be removed from tanks and spray equipment prior to handling waterborne paints to avoid contamination, and equipment should be cleaned after each use.

### PRODUCT CHARACTERISTICS

Finish: Flat

Color: White, Yellow, Black

Volume Solids: 70% +/- 2%

Drying Schedule @ 200 microns @ 77°F/25°C

To touch: 20 minutes

No traffic pickup after: 45 minutes

Note: Drying time is temperature, humidity, and film thickness dependent.

Reducer/Clean Up: Water

### **Spreading Rate per coat:**

Approximately 450 running feet of standard 4" stripe per gallon (Gal=4 Liters) @ 200 micron DFT

Coverage in sq. ft: 112 sq. ft per Liter @ 200 micron DFT

**Note:** Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness or porosity of the surface, skill and technique of the applicator, method of application.

**Shelf Life:** 12 months, unopened  
Store indoors at 40°F (4.5°C) to 100°F (38°C)

**Flash Point:** Not Applicable

## SURFACE PREPARATION

Surface must be clean, dry, and in sound condition. Remove oil, grease and other surface contaminants by thoroughly washing with an industrial detergent such as Glo-Flo H.D. Degreaser. (Rinse with clean water and allow to dry before coating).

Surface should be free from loose or peeling paint. Do not apply when air or surface temperatures are below 50°F (10°C), or when the relative humidity exceeds 85%, or when the temperature falls below the dew point.

The presence of concrete sealers or efflorescence on new concrete may interfere with adhesion and should be removed by extended weathering, etching, or abrasive blasting.

Most previously painted lines may be repainted without additional surface preparation provided that the old paint is still tightly adhered to the surface. However, multiple layers of paint will eventually peel and require removal.

New asphalt surfaces should ideally be allowed to age for at least 6 months. Latex paint will not bleed on most asphalt surfaces; however, shrinkage of the paint film during curing can cause new asphalt to lift or crack. Exceeding the recommended film thickness will increase the tendency to cause asphalt lifting. Placing an unnoticeable test stripe to determine if a new asphalt surface has cured sufficiently to paint is recommended.

## SAFETY PRECAUTIONS

- Use only in well-ventilated areas. In case of insufficient ventilation during application,

wear suitable respiratory equipment. Do not breathe vapor / spray. In case of contact with eyes rise immediately with plenty of sweet water and seek medical assistance.

- Check adhesion by applying a test strip to determine the readiness for painting.
- Painted surfaces can become slippery when wet. Traffic paints are not intended for use as floor paints, and should not be used to paint large areas subject to pedestrian traffic. For instance, painting an entire traffic stall is not recommended.
- Do not paint on wet surfaces.
- Do not paint when the relative humidity is above 85%.
- Do not paint when the temperature is below 50°F (10°C).
- Cool, damp conditions will prolong the drying time.

## PERFORMANCE TIPS

- In order to avoid blockage of spray equipment, clean equipment before use or before periods of extended downtime with water.
- Excessive reduction of material can affect film build, appearance, and adhesion.
- Asphalt surfaces generally require aging prior to painting.
- If the asphalt is insufficiently cured, applying a thin coat approximately ½ the recommended dft. generally reduces the extent of lifting and cracking.

## WARRANTY

PATSA Company warrants the products to be free of manufacturing defects in accord with applicable quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by our technical team. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY PATSA, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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