

# Product Data Sheet



## World's First Waterborne Marking Paint from Natural Soybean Oil

|                            |                                                                                                                                           |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>        | 72Y-A107 Yellow Waterborne Alkyd Latex Traffic Safety Paint                                                                               |
| <b>Federal Color Std.:</b> | 595B - 33538                                                                                                                              |
| <b>Typical Use:</b>        | Highways, Airports, Parking Lots                                                                                                          |
| <b>Dry Time:</b>           | 20 minutes @ 77°F. for complete drying and minimum dirt retention, lots should be closed to traffic for two hours minimum after painting. |
| <b>Coverage:</b>           | Approximately 320 linear feet of 4" line applied @ 15 mils wet. - Per gallon                                                              |

**WARNING** To avoid slips and falls, do not use Aexcel traffic marking paint on large pedestrian surfaces or inclined surfaces including, but not limited to, ramps, walkways, stairs, crosswalks, and loading zones. As another example, do not paint an entire traffic stall. When the paint is applied to areas where there may be pedestrian traffic, always apply in conjunction with sufficient anti-slip additives to ensure traction. Failure to add anti-slip additives could contribute to falls that could result in serious injury or death.

### TO INCREASE SLIP RESISTANCE

Add G3 anti-slip aggregate to any paint that may be exposed to pedestrian traffic. The larger the surface area of paint being applied the greater the need for aggregate. We recommend 4 pounds of G3 aggregate per 100 ft<sup>2</sup>.

See ANSI/NFSI B101.1 & ANSI/NFSI B101.3 for guidance on increasing slip resistance

### GENERAL INFORMATION

The following information has been provided as a general guideline for the use and disposal of Aexcel traffic marking paints. It is also very beneficial to run a small test in a non-critical area in order to ensure the surface preparation, weather conditions, equipment and product are suitable and working properly.

### SURFACE PREPARATION

Care should be taken to ensure that the surface is clean, dry and free of loose material. A simple leaf blower is typically sufficient to remove gravel and dust in most instances. When applying over previously coated areas, however, take special care to remove any loose or peeling paint. Other surface conditions, such as areas with large amounts of engine oil buildup or existing epoxy coatings, may require a power washing procedure or abrading the surface before application of the paint. New concrete and asphalt should be aged for a minimum of 30 days prior to painting. Do not use these products over a freshly sealed surface. Sealers can affect the adhesion and cure of traffic marking paints. For more information on the surface, please consult with the supplier or applicator of the surface.

### WEATHER CONDITIONS AND APPLICATION

Air temperature, surface temperature, humidity, and the weather conditions following application are extremely important factors in the success of the products. Aexcel formulates these coatings to be applied without further reduction. They can also be used in conjunction with the application of glass beads to improve reflectivity without sacrificing other properties. Protect fresh lines from traffic until thoroughly dry. These, as well as all water-based coatings, should not be applied to surfaces less than 50°F, when the relative humidity is greater than 80% and/or less than 24 hours before any expected precipitation. **AT LOWER TEMPERATURES OR HIGHER HUMIDITY, A SIGNIFICANT AMOUNT OF EXTRA TIME WILL BE NEEDED FOR THE PAINTS TO DRY. DO NOT APPLY WHEN TEMPERATURE AND HUMIDITY ARE NEAR OR BELOW THE DEW POINT.**

### EQUIPMENT

Tip size, fluid pressure, atomizing air pressure, paint viscosity and paint temperature are all critical to the appearance, consistency, and performance of the paint. The equipment must be matched to the paint being applied in order to achieve the proper film thickness and coverage. When using a water-based product, the equipment must be made with stainless steel or some other material that will not react with the paint and cause application or storage problems. Typical tip sizes for "airless" machines are .019"-.021", while "air-atomized" machines use .086"-.11" at 60 lbs. pressure. For more information, please consult with the equipment manufacturer.

### PAINT SELECTION AND SAFETY

Protect these and all water-based coatings from freezing. Use only paint recommended or specified for each application. Shelter the containers when possible and avoid prolonged outside storage. Agitation of the paints by stirring or shaking should be performed in order to ensure uniform consistency, application and performance. When storing partially filled containers, a small amount of water may be added and allowed to stand on top in order to avoid "skinning". Always be sure the containers are sealed tightly during transporting or storing in order to avoid spillage, risk of fire and solvent evaporation. Keep paints away from heat and flame. Consult the MSDS and/or labels for further safety, first aid, and spill or leak procedures.

### WASTE DISPOSAL

Comply with all regulations regarding handling, storage, and disposal of all hazardous materials and waste. Consult local agencies or disposal companies for individual instructions and requirements. **Improper disposal of paint and their related materials is illegal and may result in large fines.** Please comply with all regulations and minimize waste whenever possible.

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|-----------------------------------------|-------------------------------------------------------------|
| <b>PRODUCT CODE</b>                     | 72Y-A107 YELLOW WATERBORNE ALKYD LATEX TRAFFIC SAFETY PAINT |
| <b>FEDERAL COLOR STD.:</b>              | 595B - 33538                                                |
| <b>REFLECTANCE (50% MINIMUM)</b>        | 77%                                                         |
| <b>VISCOSITY @ 77°F, KREBS UNITS:</b>   | 80 – 90 K.U                                                 |
| <b>WT./GL. @ 77°F (12.0 MINIMUM):</b>   | 13.50 +/- 0.2                                               |
| <b>% PIGMENT - WEIGHT: (60 - 62%)</b>   | 60.0%                                                       |
| <b>% SOLIDS - WEIGHT: (70% MIN.)</b>    | 75.8%                                                       |
| <b>% SOLIDS - VOLUME: (60% MINIMUM)</b> | 60.1%                                                       |
| <b>DRY TIME (NO PICKUP):</b>            | 20 MINUTES                                                  |
| <b>DRY THROUGH @ 90% RH</b>             | 2 HRS                                                       |
| <b>V.O.C. (MINUS WATER):</b>            | 85 G/L                                                      |
| <b>CLEANUP SOLVENTS:</b>                | Mixture of water and mild household detergent               |
| <b>REVISION DATE:</b>                   | 4/25/2022                                                   |

**AMERICA'S TOUGHEST TRAFFIC PAINTS™**



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