

Product Data Sheet



World's First Waterborne Marking Paint from Natural Soybean Oil

Product Code:	BIOSTRIPE® Waterborne Alkyd Latex Traffic Safety Paint
Federal Color Std:	RED: Fed. Std: 595 –31136; BLUE: Fed. Std.: 595B-35180; BLACK: Fed. Std.: 595B-37038
Typical Use:	Highways, Airports, and Parking Lots
Dry Time:	20 minutes @ 77°F. For complete drying and minimum dirt retention, lots should be closed to traffic for two hours minimum after painting.
Coverage:	Approximately 320 Linear feet of 4" line applied at @ 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 it 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 ft². See the most recent ANSI guidelines for guidance on increasing slip resistance. 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 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 with the paint being applied 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 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 to avoid "skinning". Always be sure the containers are sealed tightly during transportation or storing to avoid spillage, risk of fire and solvent evaporation. Keep paints away from heat and flame. Consult the SDS 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 related materials is illegal and may result in large fines.** Please comply with all regulations and minimize waste whenever possible.

Name:	BIOSTRIPE® Waterborne Alkyd Latex Traffic Safety Paint		
Color:	RED	BLUE	Black
Code:	72R-A027	72L-A031	72A-A049
Federal Color Std.:	595B – 31136	595B – 35180	595B - 37038
Viscosity @ 77°F. (Krebs Units):	80–90 KU	80-90 KU	80-90 KU
Wt./gl. @ 77°F :	12.97 +/- 0.2	13.31 +/- 0.2	13.43 +/- 0.2
% Pigment - Weight:	54.23 +/- 2%	56.07 +/- 2%	58.06 +/- 2%
% Solids - Weight:	73.07 +/- 2%	74.90 +/- 2%	75.83 +/- 2%
% Solids - Volume:	56.97 +/- 2%	58.76 +/- 2%	59.79 +/- 2%
Dry Time (No Pickup):	20 minutes	20 minutes	20 minutes
Dry Through @ 90% RH:	2 Hours	2 Hours	2 Hours
V.O.C. (minus water):	76.12 g/liter .635 Lb./Gal.	77.02 g/liter .643 Lb./Gal.	76.62 g/liter .639 Lb./Gal.
Cleanup Solvents:	Mixture of water and mild household detergent		
REVISION DATE:	01/22/2026		

THIS PRODUCT DOES NOT CONTAIN LEAD, CHROMIUM OR CADMIUM.

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AMERICA'S TOUGHEST TRAFFIC PAINTS™

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