



NE Cold Weather Waterborne Traffic Marking Paint

Product Data Sheet

PRODUCT DESCRIPTION

Diamond Vogel's State-Series NE Cold Weather Waterborne Traffic Marking Paint is a high solids and fast-drying traffic striping paint. It is designed as an extended seasonal range product which can be applied at lower temperatures than the standard latex paint and dries quickly to no track conditions.

UC15-16015 and UC35-16458 meet or exceed the **Nebraska** specification for cold weather traffic paint.

TYPICAL USES

The State-Series Marking Paint is recommended for marking and striping streets, highways, or other traffic surfaces including driveways, parking lots, sidewalks, curbs, and airport runways. It may be applied to either concrete or asphalt surfaces by a variety of methods.

COLORS AVAILABLE

UC15-16015 White
UC35-16458 Yellow

PHYSICAL PROPERTIES(UC15-17982)

Standard Application

Resin Type	Cold Weather Acrylic
Clean-up Solvent	Water
Finish	Flat
Solids by Weight	77 %
Solids by Volume	62 %

Wet Film to Achieve DFT 15 mils

Theoretical Coverage	
Recommended DFT ¹	107 ft ² / gallon
4" Line @ 15 mils WFT	320 ft. / gallon

Dry Times²

@ 70° F (21° C) and 50% R.H.	Tack Free less than 5 minutes
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VOC's less than 150 g/l

1. Spread rates are estimates based on products volume solids and make no allowance for material loss during application. Actual spread rates may vary dependent on applicator experience, surface porosity and texture.

2. Dry times may vary depending upon temperature, humidity and degree of air movement.

SPECIFICATIONS

Concrete
Self Priming

Asphalt
Self Priming

Cinders
Self Priming

For more detailed recommendations, please contact your local Diamond Vogel Sales Representative.

TEST METHODS

Weight per Gallon	ASTM D 1475
Viscosity	ASTM D 562
Fineness of Grind	ASTM D 1210
Total Solids	ASTM D 2369
Total Pigment	ASTM D 2371
Titanium Dioxide	ASTM D 4563; D 1394
Dry Time (12 mils wet)	ASTM D 711 (modified)
Daylight Directional Reflectance	ASTM D 2805
Contrast Ratio	ASTM D 2805
Bleeding Ratio	ASTM D 969
Color	ASTM D 2805

SURFACE PREPARATION

The surface to be coated must be free of any contaminant that will prevent the paint from adhering to the surface. Oil, grease, loose paint chips, gravel, salt films and curing membranes may all interfere with the adhesion of the coating. The surface should be swept clean of all loose contaminants. Visible stains of oils or dirt should be washed from the surface prior to coating. Slick or glossy surfaces, such as hard steel troweled concrete should be abraded to provide surface profile for the coating to adhere to. When compared to standard latex paint, these products indicate improved adhesion to oily surfaces.

APPLICATION

- Stir material prior to application.
- Equipment which was used to spray waterborne traffic paint may be run empty of paint and then filled with the low temperature paint. If equipment needs to be cleaned prior to start, flush paint lines with water or N-7025 until clear.
- Apply with conventional or airless spray equipment.
- Small areas may be brushed or rolled.
- Apply 1 coat 15 mils WFT.
- Allow to dry 5 minutes before allowing traffic to drive over this coating.
- This coating has been successfully applied through a heated system up to temperatures of 110° F. Heating the coating will decrease the dry time.
- Clean up all equipment with clean water or N-7025.
- All equipment surfaces which come in contact with the paint should be manufactured from stainless steel, plastic, and non-reactive surfaces. Galvanized steel, brass, copper, or aluminum will react with this product and cause equipment malfunction. Mild steel should also be avoided.
- DO NOT THIN

ENVIRONMENTAL VARIABLES

These products were developed for use when air and surface temperature fall below 50°F (the minimum application temperature of the standard latex). They are available during the spring and the fall season in order to extend the striping season. Increase in surface moisture will decrease durability. Painting on a cold dry day which is followed by days of dry conditions may produce a film which is more durable than a day above 32°F followed by damp conditions. Because environmental and road conditions vary greatly during the late fall and early spring, the durability of the line will vary more than lines painted during good weather conditions, dry and above 50°F. Therefore, it is recommended to limit the striping in low temperature to an as needed basis. Protect the product from freezing while in storage. During application, the paint should be not allowed to get cold because that would raise the viscosity of the paint and make it hard to pump. Circulating the paint will help to keep the paint temperature up and paint viscosity lower. These products will solidify at approximately 15°F. Do not apply paint when temperature is near or below the dew point. These products should be applied within 6 months of manufacture.

CLEAN-UP

Clean up spills immediately with soap and warm water or N-7025. Clean hands and tools immediately after use with soap and warm water or N-7025. After cleaning, flush spray equipment with mineral spirits to prevent rusting of the equipment.

CAUTIONS

- Do Not Freeze
- Do not apply below 35° F.
- Do not take internally
- Use with adequate ventilation
- KEEP OUT OF REACH OF CHILDREN**

***WARNING!** If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and wet mop. Before you start, find out how to protect yourself and your family by contacting the national Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Limited Warranty

The technical data and suggestions for use contained in this document are true and correct to the best of our knowledge at the date of issuance. The statements of this document do not constitute a warranty, expressed or implied, as to the performance of these products. Since Diamond Vogel Paints does not control the application of its products, or the condition of the surfaces to which they are applied, Diamond Vogel Paint's liability will under no circumstances exceed replacement of the product.