



State-Series  
**MN High Build Waterborne**  
*Traffic Marking Paint*

**Product Data Sheet**

**PRODUCT DESCRIPTION**

Diamond Vogel's State-Series MN High Build Waterborne Traffic Marking Paint is a fast-drying striping paint. UC15-45472 and UC35-45463 meet or exceed the **Minnesota** specification for high build traffic marking 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 or airport runways. It may be applied to either concrete or asphalt surfaces by a variety of methods.

**COLORS AVAILABLE**

UC15-45472 White  
 UC35-45463 Yellow

**PHYSICAL PROPERTIES**(UC15-45472)

**Standard Application**

Resin Type	High Build Acrylic
Clean-up Solvent	Water
Finish	Flat
Solids by Weight	78 %
Solids by Volume	62 %

Wet Film to Achieve DFT      15 mils

Practical Coverage at Recommended DFT <sup>1</sup>	107 ft <sup>2</sup> / gallon
4" Line @ 15 mils WFT	320 ft. / gallon

<u>Dry Times</u> <sup>2</sup> @ 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

**SPECIFICATIONS**

**Concrete**  
 Self Priming

**Asphalt**  
 Self Priming

**Cinders**  
 Self Priming

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

**Hi Build Application**

Resin Type	High Build Acrylic
Clean-up Solvent	Water
Finish	Flat
Solids by Weight	78 %
Solids by Volume	62 %

Wet Film to Achieve DFT      25 mils

Practical Coverage at Recommended DFT <sup>1</sup>	62 ft <sup>2</sup> / gallon
4" Line @ 25 mils WFT	192 ft. / gallon

<u>Dry Times</u> <sup>2</sup> @ 70° F (21° C) and 50% R.H.	Tack Free less than 10 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.

**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.

**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

**APPLICATION**

- Stir material prior to application.
- Equipment must be clean prior to start. Flush airless lines with water or N-7025.
- Apply with conventional or airless spray equipment.
- Small areas may be brushed or rolled.
- Apply 1 coat 15 mils WFT or 1 coat at 25 mils WFT for increased durability.
- If one coat at 15 mils is applied, allow to dry 5 minutes before allowing traffic to drive over this coating.
- If one coat at 25 mils is applied, allow to dry 10 minutes before allowing traffic to drive over this coating.
- This coating has been successfully applied through a heated system up to temperatures of 140° F. Heating the coating will decrease the dry time, if surface temperatures, relative humidity, and air movement remain within the requirements for proper application.
- DO NOT THIN

**ENVIRONMENTAL VARIABLES**

Apply when air and surface temperatures are above 50°F and remain above 40°F for 24 hours following application. Lower surface and air temperatures and high humidity will slow the speed of dry. Surface temperatures below 70° F and/or relative humidity greater than 80% may require longer curing times prior to bearing traffic.

**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 50° 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](http://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.