



**SHERWIN
WILLIAMS**

HIGHWAY PRODUCTS

07/16

**HOTLINE® FAST DRY WATERBORNE
PAVEMENT MARKING PAINTS
TM2196 WHITE TM2197 YELLOW**

PRODUCT DESCRIPTION:

HOTLINE® Waterbornes, TM2196 White and TM2197 Lead-Free Yellow are fast drying waterborne traffic paints made with some of the most advanced resin technology on the market

today. These products meet or exceed all the requirements of the following Specifications:

- **Federal Specification TT-P-1952D, E and F Type I/II Specs. for Waterborne Traffic and Airfield Marking Paints**
- **New York DOT Section 640 Reflectorized Pavement Marking Paints**
- **Rhode Island DOT White and Yellow Fast-Drying Waterborne Pavement Marking Paint, Specification RIC 9618, T.09.9901 to T.09.9916 (REV September 25, 1995),**
- **Connecticut DOT Form 816 Supplemental Specifications (July 2015), Section M.07.21**

The outstanding characteristics of these products include; low VOC's (~100 gr/L), superior early wash-out resistance and more consistent drying times even in high humidity conditions. Both the white and yellow products are formulated with non-lead containing pigments.

USES:

These products are used primarily for long line striping applications on streets and highways. Other possible uses include: auxiliary markings such as stop bars and crosswalks, marking airfields and for striping parking lots.

APPLICATION:

HOTLINE® Fast Dry Waterborne Pavement Marking Paints are designed primarily for application through long-line striping trucks which have been properly equipped to apply waterborne traffic paints. Of particular importance is the need for metal parts to be stainless steel, hoses to have proper chemical resistance to the unique high pH properties of the latex resins being used, and a heating system which provides adequate heat with appropriate controls. Although airless is the recommended method of application, both airless and air atomizing striping equipment can be used.

APPLICATION CONDITIONS:

Surfaces should be clean, dry and free from loose or peeling paint. HOTLINE® Fast Dry Waterborne Pavement Marking Paints perform best when applied at air and surfaces temperatures of 50°F and rising. Do not apply below 45°F. Moisture in the road surface can cause premature failure. The presence of concrete sealers or other residue on new concrete surfaces may interfere with adhesion and must be removed.

Most previously painted lines may be repainted without additional surface preparation, provided the old paint is still tightly adhered to the surface. Multiple layers of paint may eventually build and begin to peel or chip. Removal of the existing paint line will be required in these areas.

APPLICATION CONDITIONS (cont.):

New asphalt surfaces, particularly parking lots, should be allowed to age several months before striping with Waterborne Pavement Marking Paint. Waterborne paint does not normally bleed on new asphalt, but shrinkage of the paint film during the curing (drying) process may cause new asphalt to lift or crack at the edges of the paint line. Exceeding the recommended film thickness will increase the possibility of asphalt lifting. Road surfaces are less susceptible to the occurrence of this lifting problem but should still be monitored.

APPLICATION RATES:

HOTLINE® Fast Dry Waterborne Pavement Marking Paints, TM2196 and TM2197 should be applied at 14 - 16 mils wet film thickness. A flat, uniform paint line with an even distribution of paint and glass beads (6 #/gal) should dry in 120 seconds or less. Application rates of more than 16 mils wet film thickness may extend the service life of the product but may also result in extended drying times.

THINNING & CLEANUP:

Thinning of HOTLINE® Fast Dry Waterborne Pavement Marking Paints is not normally required. If thinning is necessary thin only with clean water, not to exceed four ounces per gallon. Any water added will slow the dry time.

Wet paint may be cleaned up with water. Once the paint is dry, solvent will be required to remove the paint film. Most typical paint solvents (e.g. xylene, acetone) may be used for this purpose. Care must be taken to avoid solvent contamination in waterborne paints.

PRECAUTIONS:

FOR INDUSTRIAL USE ONLY. SEE MATERIAL SAFETY DATA SHEETS. READ AND FOLLOW WARNING LABELS ON PACKAGES.

Painted surfaces can become slippery when wet. Traffic paints are not intended for use as floor paints. Do not use on pedestrian walkways or large surfaces such as ramps, floors and stairs which may become slippery when wet.

TYPICAL TEST DATA

TEST	TM2196	TM2197
Wt. Per Gal.	14.1 lbs/gal	13.8lbs/gal
Viscosity	85 KU	85 KU
Total Solids	77.5%	76.9%
Pigment %	61.7%	60.8%
Contrast Ratio @ 5 mils	0.968	0.965
Reflectance	84.0 min.	50.0 min.
Dry to No Pick-up @ 15 mils	10' max.	10' max.

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