



## HIGHWAY PRODUCTS

02/08

### **HOTLINE® WATERBORNE TRAFFIC PAINT TM2320 WHITE TM2321 LEAD FREE YELLOW**

**Description:** Hotline® waterborne traffic paints, TM2320 and TM2321, are fast drying binder made with the most advanced resin technology available. Key features include; low VOC content, outstanding glass bead retention, superior early wash-out resistance, and more consistent drying times even under high humidity conditions.

**Uses:** TM2320 and TM2321 are used primarily for long line striping on streets and highways and parking lot striping. Other possible uses include auxiliary markings such as stop bars and crosswalks, and for striping airfields.

**Application:** For use in long line equipment Hotline® waterborne traffic paints TM2320 and TM2321 require the use of long line striping trucks that have been properly equipped to apply waterborne traffic paints. Specific details on the design of such a truck are available from the major equipment suppliers. Of particular importance is the need to avoid wetted metallic parts of anything other than stainless steel. Galvanized parts that contact the paint must especially be avoided. Hoses and gasket materials must be of material that will tolerate the high ammonia content of these paints (pH typically 9.5 to 9.8). The heating systems on these trucks should be designed to maintain the proper heat and to prevent accidental overheating of the paint.

Hotline® waterborne traffic paints, TM2320 and TM2321 are also designed for use with most walk behind striping equipment without heating. Although airless equipment is preferred air atomized equipment may be used. Hand application with brush or roller is not recommended.

Hotline® waterborne traffic paints are designed to dry to a no-track condition in 60 second when applied at 380 +/- 25  $\mu$ m (15 +/-1 mil) wet film thickness with 6 lbs. of glass beads per gallon of paint, and an even distribution of both paint and glass beads. Dry no pickup is defined as passing over the paint line in a passenger car in a normal passing maneuver at 30 mph, with no tracking visible from a distance of fifty feet. Several conditions, such as excessive film thickness, high humidity (>75% RH) and uneven paint and bead distribution may have an adverse effect on the drying time of these products. No track times for parking lot applications, without glass beads are generally between 10 - 20 minutes.

**Application Conditions:** Surfaces should be clean and dry, and free from loose or peeling paint. Do not apply Hotline® waterborne traffic paint when air or surface temperatures are below 50°F. Full cure takes several hours above 50°F. Do not apply when temperature is below the dew point. Relative humidity above 85% will slow dry times, although not as much as conventional waterborne paints. Moisture in the road surface may cause premature failure. The presence of concrete sealers or effervescence 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 line is still tightly adhered to the surface. Multiple layers of paint may eventually fail at the base coat, or suffer inter-coat adhesion problems, and will have to be removed.

**Application Rate:** The recommended film thickness is 13 to 15 mils wet. (Approx. 110 to 125 sq. ft. per gallon) Application at the low end of this range does not significantly affect durability, but may improve dry time. Application at more than 15 mils may result in extended dry times and may cause lifting or cracking on some asphalt surfaces.

**Thinning and Cleanup:** Thinning of these products is normally not required, and not recommended under most conditions. If thinning is necessary, thin only with clean water, not to exceed one pint per gallon. Thinning may prolong dry time and may promote settling of the unused, thinned paint.

Wet paint may be cleaned with water. Once the paint is dry, solvent or other cleaner will be required. Most typical paint solvents (e.g. xylene) may be used for this purpose, with appropriate safety precautions. Take care to avoid solvent contamination of waterborne paints.

**Storage:** Protect from freezing. Do not invert drums for storage. Avoid rolling drums that will defeat the special top off designed to retard skinning. Do not store above 115°F.

**DOT classification:** Hotline® waterborne traffic paints are not regulated by DOT.

**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 PROPERTIES

	<b>TM2320</b>	<b>TM2321</b>
<b>Viscosity</b>	<b>75-90 KU</b>	<b>75-90KU</b>
<b>Total Solids by wt. (by volume)</b>	<b>73.0% (59.0%) min.</b>	<b>73.0% (59.0%) min.</b>
<b>Pigment Weight</b>	<b>58.0% minimum</b>	<b>58.0% minimum</b>
<b>Directional Reflectance</b>	<b>84% minimum</b>	<b>55% minimum</b>
<b>Color</b>	<b>Bright white</b>	<b>Visual Match Fed. Std. 595 Color No. 33538</b>

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