



PAVEMENT MARKINGS

06/18

**SHER-FLIGHT® WATERBORNE TRAFFIC PAINT
TM2452 WHITE, TM2453 YELLOW,
TM2140 Black, TM2141 Red, TM2142 Blue and
TM2143 Green.**

PRODUCT DESCRIPTION:

TM2452, TM2453, TM2140, TM2141, TM2142 and TM2143 are fast drying waterborne traffic paints made with some of the most advanced resin technology on the market today. These products conform to the current VOC regulations and the requirements of **Federal Specification - Paint, Traffic and Airfield Marking Material, Durable Waterborne TT-P-1952E and F type III (dated August 6, 2007)**.

The outstanding characteristics of these products include: low VOC, superior early wash-out resistance, and more consistent drying times even in high humidity conditions. These products are formulated with non-lead containing pigments. In addition, per the requirements of TT-P-1952E, Type III, these products contain a more durable "cross-linking" resin technology for added service life.

USES:

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

APPLICATION:

SHER-FLIGHT® Waterborne Pavement Marking Paints are designed for application through long-line striping trucks or walk-behind striping machines that have been properly equipped to apply waterborne traffic paints. Of particular importance is the need for metal parts to be stainless steel and hoses to have proper chemical resistance to the unique high pH properties of the latex resins being used. Both air atomized and airless striping equipment can be used.

APPLICATION CONDITIONS:

Surfaces should be clean, dry and free from loose or peeling paint. SHER-FLIGHT® Waterborne Pavement Marking Paints **TM2452, TM2453, TM2140, TM2141, TM2142 and TM2143** perform best when applied at air and surfaces temperatures of 55°F and rising. Application of these products at temperatures between 45°F and 55°F may result in extended drying times and reduced service life. 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.

New asphalt surfaces, particularly parking lots, should be allowed to age at least thirty days 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:

TM2452, TM2453, TM2140, TM2141, TM2142 and TM2143 are normally applied at 14-16 mils wet film thickness. A flat, uniform paint line with an even distribution of paint should dry in 10 minutes or less. Type III products can also be applied at thickness of up to 30 mils wet. Applications at more than 16 mils wet film thickness may extend the service life of the product but may also result in extended drying times. Glass beads, when used, should be applied at approximately 6 pounds per gallon of paint.

THINNING & CLEANUP:

Thinning of SHER-FLIGHT® Waterborne Pavement Marking Paints is not normally required. If thinning is necessary thin only with clean water, not to exceed 4 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 PROPERTIES

TEST

Viscosity	80-90KU
Pigment	60-62%
Volume Solids	60% min.
Reflectance	85% min. (TM2452 White only)
Dry Opacity @ 5 mils	0.92 min.
Dry Opacity @ 5 mils	1.00 min (TM2140 Black only)
Dry Time for no pick up	10 min max.
Volatile Organic Compounds	<150 g/l

Color Standards:	TM2452	TM2453	TM2140	TM2141	TM2142	TM2143
	37925	33538	37038	31136	35180	34108

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