HIGHWAY PRODUCTS

SETFAST® LOW VOC ACRYLIC TRAFFIC PAINT

TM5626	**WHITE**	**TM5635**	**YELLOW**
TM5627	**LEAD-FREE YELLOW**	**TM5629**	**BLACK**

03/01

PRODUCT DESCRIPTION

SETFAST® VOC Compliant Acrylic Traffic Paint is a conventional dry (non-heat applied) acetone based paint. Acetone, as the main solvent, has Exempt Status under Federal law and does not contribute harmful VOC.*

Setfast® VOC Compliant Acrylic Traffic Paint is 100% acrylic, which offers the following outstanding properties:

-Fast dry and hardness development.

-Performance similar to Setfast® Chlorinated Rubber Traffic Paint: high dirt pick-up resistance and outstanding durability.

Recommended Uses:

Setfast® VOC Compliant Acrylic has been developed for use over concrete, asphalt, brick and other surfaced highways and parking lots. Do not use this product over uncured asphalt surfaces such as commonly found on tennis courts, asphalt driveways and some parking lots.

APPLICATION

Application Conditions:
Temperature
Air, surface, material:
40 - 90°F (at least 5°F above the dew point)
Relative Humidity.....85% max.

Methods: Airless and Conventional Spray

Conventional Spray: Typical fluid tip size is about 0.1" orifice, with a matching fan cap designed for striping application. Working pressures will vary with ambient temperatures. The correct pressure is the lowest pot and atomizing pressure that produces a flat line of the correct thickness. Heated air atomized spray may also be used, allowing improved spray ability but not necessarily dry time.

Airless Spray: Typical working pressures are 1500 to 2000 psi, using a .015" to .019" tip size in walk behind striping machines. 50 to 100 mesh filters at the gun are recommended.

This traffic marking paint is not recommended for brush or roller application.

If the striping machine is used with waterborne paint, care must be taken to prevent contamination of the paint types.

Thinning and cleanup: Thinning should not normally be required. Additional solvent could raise the intended VOC, and may slow dry time or promote bleeding on asphalt surfaces.
Clean up with Xylene, Toluene, or MEK.
Mixing Instructions: Mix material to a uniform consistency. Some minor separation of solvent may occur on the surface.

Tinting: This product may be tinted with up to 4-oz. colorant per gallon. Exterior grade colorants only should be used. Handicap Blue may be obtained by tinting the white with 2-3 oz. of blue per gallon.

CHARACTERISTICS

Color: White, Yellow
Finish: Flat
Curing Mechanism: Solvent Evaporation
Drying Schedule (@ 77°F & 50% Rel. Hum.):
To Touch: 5 minutes or less (ASTM D-711, no traffic pickup)
Packaging: 5-gallon pails
Recommended Spreading Rate:
320 lineal feet of standard 4" stripe per gallon (calculated theoretical, no loss)
Recommended Film Thickness:
15 mils wet/7.5 mils dry

PRECAUTIONS

FOR INDUSTRIAL USE ONLY.
SEE MATERIAL SAFETY DATA SHEET.

This paint is FLAMMABLE. Vapors may cause flash fires. Keep away from heat, sparks, and open flame. During use and until all vapors are gone: Keep area ventilated-Do not smoke-Extinguish all flames, pilot lights and heaters -Turn off stoves, electric tools and appliances, and any other sources of ignition.

Use only with adequate ventilation. To avoid over-exposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air or wear respiratory protection (NIOSH/MSHA TC23C or equivalent) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage.

First Aid: In case of eye contact, flush well with large amounts of water. Get medical attention if irritation persists. For skin contact, wash thoroughly with soap and water. If swallowed, get medical attention immediately.

READ AND FOLLOW WARNING LABELS ON PACKAGING. DO NOT TAKE INTERNALLY.

Traffic paints are not intended for use as floor paints, and should not be used to paint large areas subject to pedestrian traffic, which may become slippery when wet.

SURFACE PREPARATION

Surfaces should be clean and dry, and free from loose or peeling paint.

The presence of concrete sealers or efflorescence

of new concrete may interfere with adhesion, and should be removed by extended weathering, etching, or abrasive blasting.

Most previously painted lines may be repainted without additional surface preparation, provided the old paint is still tightly adhered to the surface. However, multiple layers of paint will eventually peel, and will require removal.

New asphalt surfaces should ideally be allowed to age several months before striping. Solvent-based paints may cause bleeding through the paint. Placing an inconspicuous test stripe to determine if the asphalt has aged sufficiently to use solvent paint is recommended. If it is necessary to paint a fresh asphalt surface, use a latex striping paint following the recommended procedures.

The information, ratings and opinions stated here pertain to the material currently offered and represent the results of tests believed to be reliable. Published technical data and instructions are subject to change.

Consult with your Sherwin-Williams Representative for coating recommendations.

*Federal EPA has added acetone to the list of solvents exempt from the VOC definition. State or local laws may incorporate the Federal definitions, or may use their own, and may take precedence over Federal rules. Acetone may or may not be an exempt solvent where State or local VOC regulations are in effect. Consult with your Sherwin Williams representative.

PRODUCT DATA
SETFAST® LOW VOC
ACRYLIC TRAFFIC PAINT

White	**TM5626**
Yellow	**TM5635**
Lead Free Yellow	**TM5627**
Black	**TM5629**

PRODUCT SPECIFICATIONS

Test	Method/Reference	Product Specification
Bleed Ratio	TT-P-115F	0.95 min.
Directional Reflectance	ASTM E97	85% min. white 50% min. yellow 50% min. lead-free yellow
Color (Yellow & LF Yellow)	Delta E CIELAB units from Fed. Std. 595 No. 33538	6 max.
Dry-No-Pickup	ASTM D-711	5 mins max.
Dry Opacity (contrast ratio)	Fed. Test Std. 141C (5 mils bird applicator)	0.92 min. 0.99 min. black
Hegman Grind	ASTM D1210	2 minimum
Viscosity	ASTM D562	77-87 KU
Water Resistance	TT-P-115F	Pass

COMPOSITION INFORMATION	Reference	Product Specification
	TOTAL SOLIDS:	White: 71.4 +/- 2% (weight) Yellow: 71.1 +/- 2% (weight) LF Yellow: 70.2 +/- 2% (weight) Black:71.8 +/- 2% (weight) White : 49.6 +/- 2% (volume) Yellow: 49.0 +/- 2% (volume) LF Yellow: 49.0 +/- 2% (volume) Black:51.1+/- 2% (volume)
	PIGMENT WEIGHT PERCENT:	White: 53.7 +/- 2 % Yellow: 53.3 +/- 2% LF Yellow: 51.7 +/- 2% Black: 53.2 +/- 2%
	VEHICLE TYPE:	Acrylic Copolymer
	DENSITY: (lbs/gal)	White: 11.7 +/- 0.3 lbs/gal Yellow: 11.7 +/- 0.3 lbs/gal LF Yellow: 11.4 +/- 0.3 lbs/gal Black: 11.6 +/- 0.3 lbs/gal
	V.O.C.	Less than 91gms/ltr (0.75 lbs/gal)