

Setfast® Acrylic Waterborne Traffic Marking Paint

TM226 White, TM227 Yellow


**SHERWIN
WILLIAMS®**

CHARACTERISTICS

SETFAST® ACRYLIC WATERBORNE TRAFFIC MARKING PAINT is a conventional dry, waterborne acrylic emulsion product available in two colors, white and yellow, which conform to U.S. Bureau of Public Roads colors and meets In-Lieu of Federal Specifications TT-P-1952B.

Features:

Conventional dry, Water clean up, Ready to use, High visibility

For use on properly prepared:

Cured asphalt, Concrete, Brick, Parking lots, Curbs, Runways

Recommended for use in:

Apartments Communities, Shopping Centers, Schools and Universities, Municipalities, State DOTs, Property Maintenance, Asphalt Seal Contractors, Streets and Highways, Airfields and highways

Finish: Flat
Color: White & Yellow

Recommended Spreading Rate per coat: Approximately 320 lineal feet of standard 4 inch stripe per gallon

Wet mils: 15.0
Dry mils: 8.7
Coverage sq. ft. per gallon: 107
Theoretical coverage: sq. ft. per gallon 930

Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness or porosity of the surface, method of application, surface irregularities, overthinning, climatic conditions, and excessive film build.

Drying Schedule @ 15.0 mils wet, @77° F (25°C), @ 50% RH:

Dry-no-pickup: 45 minutes
Dry to touch: 45 minutes

Drying time is temperature, humidity, and film thickness dependent.

Tinting: Do not tint

V.O.C. (less exempt solvents):

86 grams per litre; 0.71 lb. per gallon (White)
87 grams per litre; 0.72 lb. per gallon (Yellow)

As per 40 CFR 59.406

Volume Solids: 58 ± 2% (White)
58 ± 2% (Yellow)

Weight Solids: 75 ± 2% (White)
75 ± 2% (Yellow)

Weight per Gallon: Density 13.79 lbs. (White)
13.50 lbs. (Yellow)

Flash Point: 150°F PMCC White
145°F PMCC Yellow

Shelf Life: 12 months, unopened

Store indoors at 40°F / 4.5°C to 100°F / 38°C

COMPLIANCE

As of 07/13/2021, Complies with:

OTC	Yes
OTC Phase II	Yes
S.C.A.Q.M.D.	Yes
CARB	Yes
CARB SCM 2007	Yes
CARB SCM 2020	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	N.A.
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	N.A.
MIR-Manufacturer Inventory	N.A.
MPI®	No

APPLICATION

Temperature:

minimum 50°F / 10°C
maximum 110°F / 43°C
air, surface, and material
At least 5°F above dew point

Relative humidity: 85% maximum

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer: Water
As needed up to 12.5% by volume

Airless Spray Line Striper:

Pressure 1800-2700 p.s.i.
Hose 1/4-3/8 inch ID
Tip .015-.019 inch
Filter 60 mesh

Conventional Spray Line Striper:

Gun Binks 21 (Bleeder)
Fluid Nozzle #68
Air Nozzle Internal mix, #709
Atomization Pressure 20-80 p.s.i.
Fluid Pressure 30-60 p.s.i.

NOTE: Fluid and atomization pressures are dependent on environmental conditions. Use the lowest pressures necessary to achieve a "flat line".

Brush: small areas only Nylon-polyester

Roller Cover: 3/8 inch woven with solvent resistant core

If specific application equipment is listed above, equivalent equipment may be substituted. If the striping machine is used with solvent based paint, care must be taken to prevent contamination of the paint types.

NOTE: Fluid and atomization pressures are dependent on environmental conditions. Use the lowest pressures necessary to achieve a "flat line".

Apply paint at the recommended film thickness and spreading rate as indicated. Application of coating below minimum recommended spreading rate will adversely affect coating performance.

APPLICATION TIPS

Make sure product is completely agitated (mechanically or manually) before use.

Mixing Instructions: Mix paint thoroughly to a uniform consistency with low speed power agitation prior to use.

It can also serve as a binder for glass beads to make reflective markings. Apply by dropping on glass beads while the paint is still wet. Can be used with stencils (Available through Sherwin-Williams) for street and parking lot marking.

RECOMMENDED SYSTEMS

Cured Asphalt, Concrete, and Brick:

1 coat Setfast Acrylic Waterborne Traffic Marking Paint @ 320 lineal feet of standard 4 inch stripe per gallon approximately 15.0 mils wet 8.7 mils dry.

White 0.0TM0226
Yellow 0.0TM0227

Setfast® Acrylic

Waterborne Traffic Marking Paint

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Minimum recommended surface preparation:

Concrete:	Cured, clean, dry, sound
Asphalt:	Cured, clean, dry, sound
Brick:	Cured, clean, dry, sound

Surfaces should be clean and dry and free from loose or peeling paint. Do not apply when air or surface temperatures are below 50°F (10°C), or when the relative humidity exceeds 85%, or when the temperature falls below the dew point.

The presence of concrete sealers or efflorescence on 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 require removal. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

New asphalt surfaces: should ideally be allowed to age several months before striping. Latex paint will not bleed on most asphalt surfaces; however, shrinkage of the paint film during curing can cause new asphalt to lift or crack. Exceeding the recommended film thickness will increase the tendency to cause asphalt lifting. Placing an inconspicuous test stripe to determine if a new asphalt surface has cured sufficiently to paint is recommended.

If it is necessary to paint new asphalt surfaces, **do not exceed an application rate of 8 mils wet (approximately 200 sq. ft. per gallon).** Special care should be given to laps and edges of stencils to prevent excessive film thickness.

PERFORMANCE TIPS

Asphalt surfaces generally require aging prior to painting. If the asphalt is insufficiently cured, applying a thin coat (approximately 1/2 the recommended d.f.t.) generally reduces the extent of lifting and cracking.

No painting should be done immediately after a rain or during foggy weather.

Do not paint on wet surfaces.

Check adhesion by applying a test strip to determine the readiness for painting.

Do not use on uncured asphalt, Asphalt surfaces generally require aging prior to painting.

Excessive reduction of material can affect film build, appearance, and adhesion.

The coating may be made into reflective paint by dropping on glass beads while the paint is still wet.

PERFORMANCE

Color:

Yellow: #33538

Dry-No-Pickup

White: 45 minutes maximum

Yellow: 45 minutes maximum

Fineness of Grind:

White: 2 Hegman minimum

Yellow: 2 Hegman minimum

Contrast Ratio:

White: .92 minimum

Yellow: .95 minimum

KU:

White: 78-86

Yellow: 78-86

Reflectance:

White: 86 minimum

Density:

White: 13.71-14.01

Yellow: 13.41-13.71

SAFETY PRECAUTIONS

Refer to the Safety Data Sheets (SDSs) before use.

FOR PROFESSIONAL USE ONLY.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

Painted surfaces can become slippery when wet. Zone Marking paints are not intended for use as floor paints, and should not be used to paint large areas subject to pedestrian traffic. For instance, painting an entire traffic stall is not recommended.

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with a compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

HOTW	07/13/2021	0.0TM0226	65	85
HOTW	07/13/2021	0.0TM0227	24	87