

Setfast® Acrylic Solvent Based Zone Marking Paint

TM5632 White, TM5645 Yellow


**SHERWIN
WILLIAMS®**

CHARACTERISTICS

SETFAST® Acrylic Zone Marking Paint is a conventional dry (non-heat applied) solvent based paint. It offers the following outstanding properties:

Features:

- Fast dry and hardness development
- Less dirt pick-up, improved durability

For use on properly prepared:

Cured asphalt, Concrete, Brick, Parking lots

Recommended for use in:

Shopping Centers, Municipalities, Property & Plant Maintenance, Asphalt Seal Contractors, Pavement stripers

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: (White, Yellow) 7.3-7.5

Coverage sq. ft. per gallon: 107

Theoretical coverage: 786-802

sq. ft. per gallon (White, Yellow)

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: maximum 10 minutes

Dry to touch: maximum 10 minutes

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

Tinting: White only may be tinted with up to 4 oz. per gallon of colorant per gallon. Only exterior grade colorants should be used. Handicap Blue may be obtained by tinting white with 2-3 oz of blue colorant per gallon. Not controlled for tinting strength.

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

414 grams per litre; 3.45 lb. per gallon (White)

402 grams per litre; 3.36 lb. per gallon (Yellow)

As per 40 CFR 59.406

Volume Solids: 49 ± 2% (White)
50 ± 2% (Yellow)

Weight Solids: 71 ± 2% (White)
71 ± 2% (Yellow)

Weight per Gallon: Density 11.82 lbs. (White)
11.59 lbs. (Yellow)

Flash Point: 24°F PMCC (White)
20°F PMCC (Yellow)

Shelf Life: 12 months, unopened

Store indoors at 40°F / 4.5°C to 90°F / 32°C

COMPLIANCE

As of 07/13/2021, Complies with:

| | |
|---|--------|
| OTC | No |
| OTC Phase II | No |
| S.C.A.Q.M.D. | No |
| CARB | No |
| CARB SCM 2007 | No |
| CARB SCM 2020 | No |
| Canada* | Yes-No |
| LEED® v4 & v4.1 Emissions | N.A. |
| LEED® v4 & v4.1 V.O.C. | No |
| EPD-NSF® Certified | N.A. |
| MIR-Manufacturer Inventory | N.A. |
| MPJ® | No |
| *Canada: Traffic Marking Coatings Restrictd to 150 g/L VOC from May 1st-Oct 15. Oct 16-April 30th VOCs are 450 g/L. | |

APPLICATION

Temperature:
minimum 40°F / 4.5°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: Not recommended

Conventional Spray: Typical fluid tip size is about 0.1inch 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 sprayability but not necessarily dry time. Quick-drying application can be expected at ambient temperatures within recommended range.

Airless Spray Line Striper:
Pressure 1500-2000 p.s.i.
Hose 3/8 inch ID
Tip .015-.017 inch
Filter 50-100 mesh
Brush-Roller: Not recommended

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

In order to avoid blockage of spray equipment, clean equipment before use or before periods of extended downtime with Acetone, R6K9.

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 material to a uniform consistency. Some minor separation of solvent may occur on the surface.

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 Solvent Based Zone Marking Paint @ 320 lineal feet of standard 4 inch stripe per gallon approximately 15.0 mils wet 7.3-7.5 mils dry.

White 0.0TM5632
Yellow 0.0TM5645

Setfast® Acrylic

Solvent Based Zone 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 40°F (4.5°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. 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.

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.

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

Dry-No-Pickup

| | |
|---------|--------------------|
| White: | 10 minutes maximum |
| Yellow: | 10 minutes maximum |

Fineness of Grind:

| | |
|---------|------------------|
| White: | 2 Hegman minimum |
| Yellow: | 2 Hegman minimum |

Contrast Ratio:

| | |
|---------|-------------|
| White: | .98 minimum |
| Yellow: | .98 minimum |

KU:

| | |
|---------|-------|
| White: | 78-86 |
| Yellow: | 80-88 |

Reflectance:

| | |
|---------|------------|
| White: | 85 minimum |
| Yellow: | 45 minimum |

Density:

| | |
|---------|-------------|
| White: | 11.67-11.97 |
| Yellow: | 11.44-11.74 |

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 and spatters immediately with a compliant compatible solvent or Xylene, Toluene or MEK. Clean tools immediately after use with a compliant solvent. Follow manufacturer's safety recommendations when using any solvent.

DANGER: Rags, steel wool, other waste soaked with this product, and sanding residue may spontaneously catch fire if improperly discarded. Immediately place rags, steel wool, other waste soaked with this product, and sanding residue in a sealed, water-filled, metal container. Dispose of in accordance with local fire regulations.

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|------|------------|-----------|----|-----|
| HOTW | 07/13/2021 | 0.0TM5632 | 16 | 414 |
| HOTW | 07/13/2021 | 0.0TM5645 | 15 | 402 |