



Traffic & Zone Products

SETFAST® LOW VOC ACRYLIC TRAFFIC MARKING PAINT

TM5626
TM5627

WHITE
LEAD FREE YELLOW

Revised 9/09

PRODUCT INFORMATION

10.11

PRODUCT DESCRIPTION

SETFAST LOW VOC ACRYLIC TRAFFIC MARKING 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's.

This is 100% acrylic, which offers the following outstanding properties:

- Faster dry and hardness development.
- Performance similar to SetFast Chlorinated Rubber Traffic Paint
- Dirt resistant

PRODUCT CHARACTERISTICS

Finish:	Flat
Color:	White, LF Yellow
Volume Solids:	47%, minimum
Weight Solids:	70%, minimum
VOC (EPA Method 24):	<100 g/L; <0.83 lb/gal

Recommended Spreading Rate per coat:

Approximately 320 lineal feet of standard 4" stripe per gallon

	Minimum	Maximum
Wet mils (microns)	15.0	375
Dry mils (microns)	7.5	188
~Coverage sq ft/gal (m ² /L)	110	2.7
Theoretical coverage sq ft/gal (m ² /L) @ 1 mil / 25 microns dft	752	18.4

NOTE: Brush or roll application for small areas only.

If the asphalt is insufficiently cured, applying a thin coat (approximately 1/2 the recommended dft) generally reduces the extent of lifting and cracking.

Drying Schedule @ 15.0 mils wet (375 microns):

@ 77°F/25°C
50% RH

To touch: 5 minutes
No traffic pickup after: 5 minutes

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

Shelf Life:	12 months, unopened Store indoors at 40°F (4.5°C) to 100°F (38°C)
Flash Point:	1°F (-17°C), PMCC
Reducer:	Not recommended
Clean Up:	Acetone, R6K9

RECOMMENDED USES

Developed for use over concrete, asphalt, brick, and other surfaced areas. Serves as a binder for glass beads to make reflective type markings. Do not use this coating over uncured asphalt surfaces such as commonly found on tennis courts, asphalt driveways, and some parking lots.

- Striping contractors
- Shopping centers
- Plant maintenance
- Curbs
- Municipalities
- Parking lots
- Airport runways

PERFORMANCE CHARACTERISTICS

- Abrasion resistant
- Bleed resistant
- High visibility
- Glass beads can be added to make reflective markings
- High hiding
- Fast drying

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 the federal rules. Acetone may or may not be an exempt solvent where state or local regulations are in effect. Consult with your local Sherwin-Williams representative for additional information.



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RECOMMENDED SYSTEMS

Cured Asphalt, Concrete, and Brick:

1 ct. SetFast Low VOC Acrylic Traffic Marking Paint @ 15.0 mils (375 microns) wet and 7.5 mils (188 microns) dft, approximately 320 lineal feet of standard 4" stripe per gallon

The systems listed above are representative of the product's use, other systems may be appropriate.

SURFACE PREPARATION

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.

Refer to product Application Bulletin for detailed surface preparation information.

Minimum recommended surface preparation:

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

Surface Preparation Standards

Condition of Surface	ISO 8501-1 BS7079:A1	Swedish Std. SIS055900	SSPC	NACE
White Metal	SSa 3	SSa 3	SSP 5	1
Near White Metal	SSa 2.5	SSa 2.5	SSP 10	2
Commercial Blast	SSa 2	SSa 2	SSP 6	3
Brush-Off Blast	SSa 1	SSa 1	SSP 7	4
Hand Tool Cleaning	CS 2	CS 2	SSP 3	-
Pitted & Rusted	CS 2	CS 2	SSP 3	-
Rusted	CS 3	CS 3	SSP 3	-
Power Tool Cleaning	D St 3	D St 3	SP 3	-
Pitted & Rusted	D St 3	D St 3	SP 3	-

TINTING

May be tinted with up to 4 oz/gal of Blend-A-Color or Maxitoner Colorant. 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.

APPLICATION CONDITIONS

Temperature: 40°F (4.5°C) minimum, 90°F (32°C) maximum (air, surface, and material)
At least 5°F (2.8°C) above dew point
Relative humidity: 85% maximum

Refer to product Application Bulletin for detailed application information.

ORDERING INFORMATION

Packaging: 5 gallon (18.9L) containers

Weight:
White: 11.64 ± 0.2 lbs/gal ; 1.40 Kg/L
Lead-free Yellow: 11.48 ± 0.2 lbs/gal ; 1.37 Kg/L

SAFETY PRECAUTIONS

Refer to the MSDS sheet before use.

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

WARRANTY

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

DISCLAIMER

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Information and Application Bulletin.



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APPLICATION BULLETIN

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SURFACE PREPARATIONS

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.

Surfaces should be clean, 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 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 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.

Surface Preparation Standards

Condition of Surface	ISO 8501-1 BS7079:A1	Swedish Std. SIS055900	SSPC	NACE
White Metal	Sa 3	Sa 3	SP 5	1
Near White Metal	Sa 2.5	Sa 2.5	SP 10	2
Commercial Blast	Sa 2	Sa 2	SP 6	3
Brush-Off Blast	Sa 1	Sa 1	SP 7	4
Hand Tool Cleaning	Rusted Pitted & Rusted	C St 2 D St 2	SP 2	-
Power Tool Cleaning	Rusted Pitted & Rusted	C St 3 D St 3	SP 3	-

APPLICATION CONDITIONS

Temperature: 40°F (4.5°C) minimum, 90°F (32°C) maximum (air, surface, and material)
At least 5°F (2.8°C) above dew point

Relative humidity: 85% maximum

APPLICATION EQUIPMENT

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 compliant with existing VOC regulations and compatible with the existing environmental and application conditions.

ReducerNot recommended

Clean Up:Acetone, R6K9

Airless Spray Line Striping Equipment

Pressure..... 1500-2000 psi
Hose..... 3/8" ID
Tip015" - .019"
Filter 60 mesh

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 sprayability but not necessarily dry time. Quick drying application can be expected at ambient temperatures within recommended range.

Brush, small areas only

Brush.....Nylon/Polyester Natural Bristle

Roller, small areas only

Cover 3/8" woven with solvent resistant core

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

If the striping machine is also used for water based paint, care must be taken to avoid solvent contamination.

If specific application equipment is not listed above, equivalent equipment may be substituted.



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APPLICATION PROCEDURES

Surface preparation must be completed as indicated.

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

Apply paint at the recommended film thickness and spreading rate as indicated below:

Recommended Spreading Rate per coat:

Approximately 320 lineal feet of standard 4" stripe per gallon

	Minimum	Maximum
Wet mils (microns)	15.0	375
Dry mils (microns)	7.5	188
~Coverage sq ft/gal (m ² /L)	110	2.7
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NOTE: Brush or roll application for small areas only.

If the asphalt is insufficiently cured, applying a thin coat (approximately 1/2 the recommended dft) generally reduces the extent of lifting and cracking.

Drying Schedule @ 15.0 mils wet (375 microns):

@ 77°F/25°C

50% RH

To touch: 5 minutes

No traffic pickup after: 5 minutes

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

Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

CLEAN UP INSTRUCTIONS

Clean spills and spatters immediately with Acetone, R6K9. Clean tools immediately after use with Acetone, R6K9. Follow manufacturer's safety recommendations when using any solvent.

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PERFORMANCE TIPS

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, skill and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, overthinning, climatic conditions, and excessive film build.

No reduction of material is recommended as it can affect film build, appearance, and adhesion.

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

Asphalt surfaces generally require aging prior to painting.

If the asphalt is insufficiently cured, applying a thin coat (approximately 1/2 the recommended dft) generally reduces the extent of lifting and cracking.

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

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

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.

Do not paint on wet surfaces.

Do not paint when the relative humidity is above 85%.

Do not paint when the temperature is below 40°F (4.5°C).

Cool, damp conditions will prolong the drying time.

Refer to Product Information sheet for additional performance characteristics and properties.

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