123.15

Solvent Borne Zone Marking Paint

TM5714 White, TM5715 Yellow

CHARACTERISTICS

Solvent Borne Zone Marking Paint is a conventional dry (non-heat applied) acetone based paint. It offers the following outstanding properties:

Features:
- Fast dry properties
- Very good hiding, abrasion and wear

For use on properly prepared:
Cured asphalt, Concrete, Brick, Parking lots, curbs, runways

Recommended for use in:
Apartment Communities, Shopping Centers, Schools and Universities, Municipalities, Property Maintenance, Asphalt Seal Contractors, Pavement stripers, Airports & streets

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)	7.5
Coverage sq. ft. per gallon:	107
Theoretical coverage: sq. ft. per gallon (White, Yellow)	802

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
Dry to recoat:	1 hour

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

V.O.C. (less exempt solvents):
276 grams per litre; 2.30 lb. per gallon (White)
263 grams per litre; 2.20 lb. per gallon (Yellow)
As per 40 CFR 59.406

Volume Solids:	50 ± 2% (White) 50 ± 2% (Yellow)
Weight Solids:	71 ± 2% (White) 71 ± 2% (Yellow)
Weight per Gallon: Density	12.09 lbs. (White) 11.60 lbs. (Yellow)
Flash Point:	1°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 07/01/2021, 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.
MPI®	

***Canada:** Marking Coatings Restricted to 150 grams per litre V.O.C. from May 1st-Oct 15. Oct 16-April 30th V.O.C.s are 450 grams per litre

APPLICATION

Temperature:	
minimum	40°F / 4.4°C
maximum	90°F / 32°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 0.1 inch 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.

Airless Spray Line Striper:	
Pressure	1500-2000 p.s.i.
Hose	3/8 inch ID
Tip	.017-.025 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.

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

White	0.0TM5714
Yellow	0.0TM5715

continued on back

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.

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

0.0TM5714 White
0.0TM5715 Yellow

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:	75-85
Yellow:	78-88
Reflectance:	
White:	85 minimum
Yellow:	45 minimum
Density:	
White:	11.94-12.24
Yellow:	11.45-11.75
Flexibility:	
White:	1/2 inch mandrel
Yellow:	1/2 inch mandrel

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.

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.

CLEANUP INFORMATION

Clean spills and spatters immediately with a compliant compatible solvent or Acetone. 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.

HOTW	07/01/2021	0.0TM5714	09	276
HOTW	07/01/2021	0.0TM5715	10	263