



PRODUCT DATA

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JET DRY LEAD FREE TRAFFIC MARKING PAINT

PRODUCT SERIES: 108-4XX

PRODUCT DESCRIPTION

A premium quality, lead free, fast drying, water borne modified acrylic Traffic Marking Finish, that possesses all the performance characteristics of a solvent base alkyd traffic paint, but in a safe, water medium. Additionally, this traffic line paint has excellent color retention for a long lasting, brighter, durable coating that is resistant to dirt, fumes, chalking, coating deterioration, and is non bleeding when applied over asphalt.

INTENDED USE

Designed for industrial professional application, this product is non-settling as packaged, and is formulated to be flexible while maintaining tenacious adhesion to Asphalt, Concrete, Bituminous Brick or Stone surfaces of Highways, Bridges, Tunnels, Streets, Parking Garages, and Parking Lots. It may be equally used as Line Marking Paint for Exterior Game Courts i.e.: (Basketball, Tennis, Handball, Roller Hockey). Lead Free Jet Dry Traffic Line Paint is available in six flat finish colors, packaged in one and five gallon containers.

108-473
L/F White

108-474
L/F Yellow

108-475
L/F Red

108-478
L/F Green

108-479
L/F Black

108-480
L/F Blue

SURFACE PREPARATION

WARNING!

If you scrape, sand, or remove Old Paint, you may release Lead Dust. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.** Wear a NIOSH-Approved Respirator to control Lead Exposure. Clean up carefully with a HEPA Vacuum and Wet Mop. Before you start, find out how to protect yourself and your family by contacting The National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

ALL SURFACES:

Surfaces must be clean, dry and free of dust, dirt, oil, grease, wax, chalk, efflorescence, alkalinity residue, or any contaminants that would adversely affect the adhesion or performance of this coating. Remove all oils, dirt and other contaminants by cleaning with a V.O.C. regulated commercial cleaner/degrease. Rinse thoroughly and allow to dry.

ALL MILDEWED SURFACES:

Existing mildew should be removed by washing the affected area with a 3:1 solution of water and chlorine bleach or a reliable commercial mildewcide. Keep applying until all discoloration is removed. Rinse thoroughly and allow surface to dry completely before applying the primer coat.

NEW MASONRY, CONCRETE, ASPHALT OR UNCOATED MASONRY SURFACES:

Prepare as directed above for All Surfaces.

NOTE: All new substrates should cure for a minimum of 30 days before coating. Very dense, non porous or chemically treated concrete may require overall etching, abrasive blasting or sanding to achieve proper coating adhesion.

LIMITED WARRANTY: The statements on this bulletin product label, or by any of our agents concerning these materials are given for information only. They are believed to be true and accurate and intended to provide a guide to approved construction practices and materials. As workmanship, weather, construction equipment, quality of other materials and other variables affecting results are all beyond our control. The Simpson Coatings Group does not make nor does it authorize any agent or representative to make any warranty of MERCHANTABILITY OR Fitness for any purpose or any other warranty, guarantee or representation, expressed or implied, concerning this material except that it conforms to Simpson Coatings quality control standards. Any liability whatsoever of Simpson Coatings Group to the buyer or user of this product is limited to the purchaser's cost of the product itself.

PREVIOUSLY COATED SURFACES

ALL PREVIOUSLY COATED SURFACES:

Clean thoroughly as directed for all surfaces. Remove all loose peeling paint and chalk oxidation by sanding or pressure washing. Glossy surfaces should be dulled by sanding for maximum adhesion. Sand blasting or high-pressure water jet is recommended for the more severely deteriorated surfaces.

PREVIOUSLY COATED MASONRY, CONCRETE TILT UP SURFACES:

Scrape, wire brush, mechanical grind sanding or sand blast to remove loose, unsound concrete or any efflorescent, laitance (white powder or dust) from the surface. This should be followed by compressed air removal. Surfaces with mold or mildew should be cleaned with a commercial mildew remover and rinsed thoroughly with water. Remove any mold release oil with Simpson Coatings Xylol #301-011.

EXCEPT AS RESTRICTED BY YOUR LOCAL AIR QUALITY MANAGEMENT DISTRICT.

NOTE: Simpson Coatings Jet Dry Lead Free Traffic Paints are designed to be applied by the Commercial/Professional Applicator. If the concrete, masonry, or asphalt substrate has been freshly coated with conventional asphalt, tar, black top coatings, the coating must be thoroughly dry/cured as per Coatings & Manufacturer's recommendations before applying the Jet Dry Lead Free Traffic Marking Paint.

APPLICATION

Estimation of practical coverage of this product can be variable and is completely dependent on application technique i.e., (determine amount of wet film thickness application to achieve dry film thickness) and the porosity of the substrate.

Drying time and curing time can be adversely affected by extreme high/low substrate and atmospheric temperature variances, along with extreme high/low humidity. Apply when **air, product and surface temperatures** are between **70 °F – 90 °F**, the relative humidity is no greater than **85%**, and surface is at least **5 °F** above the dew point. **Do not apply these products when temperatures fall below 50 °F.**

ASPHALT, CONCRETE AND MASONRY SURFACES:

Stir or agitate the product thoroughly before application. Apply Simpson Coatings Jet Dry Lead Free Traffic Marking Paint by Professional Brush, Rollers, Airless or Conventional Traffic Marking/Striping Spray Technology. Apply two coats each at 12.0 to 15.0 mils wet, to achieve 6.0 to 7.5 mils dry, allowing the first coat to dry for 30 to 45 minutes before applying the second coat. A 60 to 90 minute dry time must be allowed after the final coat for traffic use.

NOTE: Traffic Line stripes may be reflectorized for high reflective night time visibility, by using the "Drop-On" method over recently coated paint stripes before the Jet Dry Lead Free Traffic Marking Paint film dries or sets-up. Apply five to six pounds of Simpson Coatings #RM-1955 Fine Glass Beads or #RM-1956 Coarse Glass Beads per gallon of Traffic Line Paint by evenly dispersing the glass beads on the wet paint film. Allow 60 to 90 minutes dry time for traffic use.

THINNING/CLEAN-UP

BRUSH/ROLLER:

Not Recommended.

AIR ATOMIZED/AIRLESS OR HVLP SPRAY:

Use one ½ pint per gallon of Simpson Coatings E-S-P/E-S-E # 309-057 Spray Reducer. **EXCEPT AS RESTRICTED BY YOUR LOCAL AIR QUALITY MANAGEMENT DISTRICT.**

CLEAN-UP

Use soap and warm water for cleaning Tools and Spray Equipment.

EQUIPMENT RECOMMENDATIONS

BRUSH/ROLLER

Use Premium Quality Professional Synthetic Brushes or 50/50 Blend Roller Covers (1/4" – 1/2"). Apply with a fully loaded brush. Avoid rebrushing or reworking material.

SPRAY

Jet Dry Lead Free Traffic Marking Paint can be applied by Professional Conventional or Airless Spray Technology.

STORAGE

KEEP PRODUCT FROM FREEZING! For best results always store in temperatures between **60 °F – 90 °F.**

108-4XX Traffic Marking Paint Technical Data/Physical Properties

Resin Type: Modified Acrylic Latex
 Solvents: Alcohols, Glycol Ether & Water
 Coatings V.O.C.: < 80 G/L

PRODUCT	ANALYSIS					PRODUCT COVERAGE				
	% Solids by weight	% Solids by weight	% Solids by volume	Gloss	Viscosity @ 77 °F	Wt. Per Gallon	Recommended Dry Film Thickness	Recommended Wet Film Thickness	Practical Coverage (assume 15% material loss)	Theoretical Coverage @ 1 mil D.F.T.
108-473 White Lead Free Traffic Marking Paint	44.2-44.8 %	66.9-68.9 %	49.0-51.0 %	Flat	85-90 KU @ 77 °F	12.5-13.1	6.0-7.5 mils	12.0-15.0 mils	85-100 sq. ft.	100-120 sq. ft.
108-474 Yellow Lead Free Traffic Marking Paint	40.2-40.8 %	65.0-67.0 %	49.0-51.0 %	Flat	85-90 KU @ 77 °F	11.8-12.4	6.0-7.5 mils	12.0-15.0 mils	85-100 sq. ft.	100-120 sq. ft.
108-475 Red Lead Free Traffic Marking Paint	39.3-39.9 %	63.8-65.8 %	48.4-50.4 %	Flat	85-90 KU @ 77 °F	11.5-12.1	6.0-7.5 mils	12.0-15.0 mils	85-100 sq. ft.	100-120 sq. ft.
108-478 Green Lead Free Traffic Marking Paint	39.1-39.7 %	63.6-65.6 %	47.1-49.1 %	Flat	85-90 KU @ 77 °F	11.8-12.4	6.0-7.5 mils	12.0-15.0 mils	85-100 sq. ft.	100-120 sq. ft.
108-479 Black Lead Free Traffic Marking Paint	41.8-42.4 %	65.2-67.2 %	47.6-49.6 %	Flat	85-90 KU @ 77 °F	12.3-12.9	6.0-7.5 mils	12.0-15.0 mils	85-100 sq. ft.	100-120 sq. ft.
108-480 Blue Lead Free Traffic Marking Paint	39.6-40.2 %	64.0-66.0 %	47.5-49.5 %	Flat	85-90 KU @ 77 °F	11.8-12.4	6.0-7.5 mils	12.0-15.0 mils	85-100 sq. ft.	100-120 sq. ft.

Dry times @ 77° F and 50% R.H.

Tack Free: 20-30 Minutes

Handle: 30-45 Minutes

Sand/Recoat: 60-90 Minutes

Full Dry/Cure: 16-24 Hours

Special Instructions :

Proposition 65 Warning
WARNING: THIS PRODUCTS CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

TECHNICAL SERVICE: Technical Services are available through Simpson Coatings Technical Service Support at 1-800-877-5997

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