



MODERN MASTERS®

WILDFIRE® VISIBLE LUMINESCENT PAINTS

DESCRIPTION AND USES

Modern Masters® Wildfire Visible Luminescent Paints have been the standard in UV visual effects paints for dark ride design/builders, haunt attraction design/builders and all entertainment industries that utilize UV blacklight effects, including; TV and motion picture studios, theatrical productions, laser tag, blacklight bowling and mini-golf, night club venues and more, since the mid-1980's.

PRODUCTS

6 Oz.	32 Oz.	GALLON	DESCRIPTION
WF13906	WF13932	WF139GAL	Deep Violet
WF14006	WF14032	WF140GAL	Bright Orange
WF14106	WF14132	WF141GAL	Bright Red
WF14206	WF14232	WF142GAL	Hot Pink
WF14306	WF14332	WF143GAL	Bright Green
WF14406	WF14432	WF144GAL	Brilliant Yellow
WF14506	WF14532	WF145GAL	Deep Yellow
WF14606	WF14632	WF146GAL	Deep Blue
WF15506	WF15532	WF155GAL	Fuchsia
WF19106	WF19132	WF191GAL	Optical White

COMPANION PRODUCTS

SKU	DESCRIPTION
351641	Wildfire Reducer 16 oz.

RECOMMENDED PRIMERS

Rust-Oleum® Universal Acrylic Primer

Zinsser® Bulls Eye 1-2-3®

NOTE: Follow Primer TDS for appropriate application instructions. Lower temperature and higher humidity will lengthen the dry and cure times of primers.

PRODUCT APPLICATION

SURFACE PREPARATION

Remove all dirt, grease, oil, salt, and chemical contaminants by washing the surface with Krud Kutter® PRO Cleaner Degreaser. Mold and mildew must be cleaned with Krud Kutter PRO One Step Cleaner & Disinfectant. Rinse thoroughly with fresh water and allow to fully dry. All surfaces must be dry at time of application.

PRODUCT APPLICATION (cont.)

SURFACE PREPARATION (cont.)

NOTE: For best results, apply over a smooth primed white surface from our recommended primer list and allow the surface to dry completely.

For the truest color and brightest effect, we recommend applying Wildfire Paints over a flat white surface. If a "whiter" base coat is desired then paint over the Primer coat with a Flat Latex White Paint or a Matte, White Artist Acrylic.

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 a 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.

APPLICATION CONDITIONS

Wildfire Paints are for interior surfaces only. Keep away from direct sunlight as the fluorescent pigments will fade in 3 months or less when exposed to sunlight. Apply between 50-85°F (10-29°C) and when the air and surface temperature are at least 5°F (2.8°C) above the dew point. Optimal conditions are 60-80°F (16-27°C) and 30-60% relative humidity.

NOTE: Lower temperatures and/or higher humidity will lengthen the dry and cure times. Higher temperatures and/or lower humidity will speed up the dry and cure times.

APPLICATION

NOTE: Use of a blacklight is recommended when applying Wildfire. Always test Wildfire in a small, inconspicuous area before beginning a project. We recommend preparing a sample board prior to beginning a project to check color and technique. Wildfire should be stirred thoroughly before using. **DO NOT SHAKE.**

Modern Masters Wildfire Visible Luminescent Paints are ready to use. For best results apply with an airbrush, HVLP spray equipment, artist brushes or low nap varnish roller. Apply over a properly primed interior surface. Maximum brilliance is achieved over lighter colors. Do Not Use over a slick or glossy surface.



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PRODUCT APPLICATION (cont.)

APPLICATION (cont.)

BRUSHING: Use a high-quality brush recommended for water-based latex paints.

ROLLING: Work in approximately 2- to 4-foot-wide sections, keeping a wet edge, with a short nap roller.

SPRAYING: To spray apply, thin as needed with water or Wildfire Reducer, but do so carefully, as over-thinning of the paint may result in loss of hide and a reduction of the desired appearance.

Test the mixture as you go to determine the best let-down ratio. When spraying, use a properly-fitting, NIOSH approved respirator per the manufacturer's instructions.

Caution: Protect surrounding surfaces from over spray. Over spray can be wet or dry depending on height of work, weather, environmental conditions, and application equipment. Wet over spray can adhere to unwanted surfaces. Dry over spray may be removed by wiping or washing. Always clean dry over spray from hot surfaces before fusing occurs as surface temperatures can be higher than the air temperature.

MIXING & TINTING

All Wildfire Visible and Invisible Luminescent Paints can be intermixed, or mixed with flat latex paints to create an unlimited color palette, including earth tones and skin tones. Mix colors together while working under blacklight for best results. You can achieve deeper color tones by intermixing non-fluorescing paints in the same tone or color range. We recommend Modern Masters' Theme Paint Pre-Mixed Colors. Be sure to check daylight and blacklight results before applying to your project.

PRODUCT APPLICATION (cont.)

DRY TIMES

Dries to the touch and handle in 30 minutes and recoat in 1 hour. Dry times recorded at 70°F and 50% RH.

NOTE: Lower temperature and/or higher humidity will lengthen the dry and cure times.

COVERAGE

One gallon/3.78 liters will cover approximately 315 to 385 square feet (33-36 m²). Approximately 1.5 mils dry film thickness per coat. A minimum of 3.5 mils dry film thickness is required for full color development.

NOTE: Fluorescent pigmented coatings are translucent and do not exhibit the same "hiding" characteristics as traditional paints.

CLEAN UP

Clean brushes, rollers, tool, and equipment with soap and warm water immediately after use. Do not reuse containers and properly dispose of empty containers.

HANDLING & STORAGE

Close all containers tightly when not in use. Store in a cool dry place away from direct sunlight. Do not freeze. Stir thoroughly before use.

DISPOSAL

Dispose of unused or unwanted product in accordance with local laws regulating water-based coatings.

		TECHNICAL DATA	MDM-40
		MODERN MASTERS® WILDFIRE® VISIBLE LUMINESCENT PAINTS	

PHYSICAL PROPERTIES

		WILDFIRE VISIBLE LUMINESCENT PAINTS
Resin Type		Water, water-based acrylic
Pigment Type		Varies with Color
Solvents		Water, Glycol Ethers
Weight	Per Gallon	10.14-10.30 lbs.
	Per Liter	1.22-1.24 kg
Solids	By Weight	43.65-52.97%
	By Volume	34.50-42.19%
Volatile Organic Compounds		68-77 g/l
Recommended Dry Film Thickness (DFT) per Coat		1.5 mils
Wet Film to Achieve DFT (Unthinned material)		3.6-4.3 mils
Practical Coverage at Recommended DFT (assume 15% material loss)		315-385 sq. ft./gal.
Dry Times at 77°F (25°C) and 50% Relative Humidity	Touch	30 minutes
	Handle	30 minutes
	Recoat	1 hour
	Full Cure	12 hours
Shelf Life		2 years
Flash Point		>200°F
Safety Information		PROTECT FROM FREEZING - NOT FREEZE THAW STABLE For additional information, see SDS

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