



WILDFIRE®
INVISIBLE LUMINESCENT PAINT

DESCRIPTION AND USES

Wildfire® Invisible 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.	DESCRIPTION
WF19206	WF19232	Invisible Blue
WF20106	WF20132	Invisible Orange
WF20306	WF20332	Invisible Yellow
WF28706	WF28732	Invisible Red
WF29706	WF29732	Invisible Green

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

All surfaces to be painted must be entirely free of dust, dirt, oil, grease, and other contaminants. Completely remove all loose, flaking, or chalking paint from the surfaces. Use a NIOSH approved respirator when sanding and when working with old, loose paint particles. Provide adequate ventilation.

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

PRODUCT APPLICATION (cont.)

SURFACE PREPARATION (cont.)

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 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.**

Wildfire Invisible 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 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 260 to 330 square feet (27-34 m²). Approximately 1.5 mils dry film thickness per coat. A minimum of 4.1 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 tightly all containers when not in use. Store in a cool dry place away from direct sunlight. Do not freeze. If Wildfire Paints become frozen, allow the paint to completely thaw and come to room temperature before use. Stir thoroughly before use.

DISPOSAL

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

	TECHNICAL DATA	MDM-39
	WILDFIRE® INVISIBLE LUMINESCENT PAINT	

PHYSICAL PROPERTIES

		WILDFIRE INVISIBLE LUMINESCENT PAINTS
Resin Type		Water, water-based acrylic
Pigment Type		Varies with Color
Solvents		Water, Glycol Ethers
Weight	Per Gallon	9.96 - 11.31 lbs.
	Per Liter	1.19 - 1.36 kg
Solids	By Weight	43.22-60.71%
	By Volume	28.83-36.34%
Volatile Organic Compounds		65-86 g/L
Recommended Dry Film Thickness (DFT) per Coat		1.5 mils
Wet Film to Achieve DFT (Unthinned material)		4.1-5.2 mils
Practical Coverage at Recommended DFT (assume 15% material loss)		260-330 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

Calculated values are shown and may vary from the actual manufactured material.

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