



# Technical Data Sheet

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## Wildfire “Visible” Luminescent Paints

Fluorescent Pigmented, Water Base, Acrylic  
Color Balanced (Daylight to Blacklight)  
Super Saturated Pigmentation  
The Most Powerful Luminescence Available



Bright Green (WF143)  
Bright Orange (WF140)  
Bright Red (WF141)  
Brilliant Yellow (WF144)  
Deep Blue (WF146)

Deep Violet (WF139)  
Deep Yellow (WF145)  
Hot Pink (WF142)  
Magenta (WF147)  
Optical White (WF191)

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.

**Blacklight Activation:** All Wildfire Luminescent Paints and Coatings are formulated to be their brightest and truest in color when illuminated by a Wildfire 365nm UV Blacklight.

**Surface Preparation** –All surfaces to be painted must be entirely free of dust, dirt, oil, grease, and other contaminants. Properly prime the clean, dry surface with a “white” acrylic, water base Primer and allow the Primer to dry. Provide adequate ventilation. Lower temperature and higher humidity will lengthen the dry and cure times of primers. **Note:** 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.

**Application Conditions** – Wildfire Paints are meant for interior surfaces only. Keep away from direct sunlight as the fluorescent pigments will fade in approximately three months or less, when exposed to sunlight. Do not apply in temperatures below 50°F/10°C or above 85°F/29°C.

**Application** – Wildfire Paints can be brushed, rolled, or sprayed onto any paintable, properly primed, interior surface. Wildfire Paints look best when spray applied.

We recommend painting under UV Blacklight to ensure proper application techniques are being used to create and develop the expected visual effects.

**Spraying:** To spray Wildfire Paint, use a professional-grade airbrush, or for large areas, use a good quality detail gun or HVLP cup gun. Wildfire Paints contain the highest fluorescent pigment loading possible. Keeping this concentration of pigment suspended is why the viscosity of Wildfire paints is so high. Thin as needed with water or a suitable Air Brush Medium, 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. **Note:** When spraying, use a properly-fitted, NIOSH approved respirator per the manufacturer's instructions.

**Mixing & Tinting** – All Wildfire Visible Luminescent Paints can be intermixed 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' JWR Artist Acrylics and Theme Paint Pre-Mixed Colors. Be sure to check daylight and blacklight results before applying to your project.

**Dry Times** – Dry-to-touch is approximately ½ hour. Recoat time is approximately 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. Higher temperatures and/or lower humidity will speed up the dry and cure times.

**Coverage** – One gallon/3.78 liters will cover approximately 250 to 300 square feet/23 to 27 square meters. Approximately 1.5 mils dry film thickness per coat. A minimum of 3 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.

**Material VOC:** Wildfire Paints are compliant under SCAQMD Rule: 1113, Graphic Arts Coatings category and contains <100 grams per liter of VOC, regulatory measurement. The VOC content for each color is available upon request. Wildfire Paints contain No Hazardous Air Pollutants.

**Handling & Storage** – Close containers tightly when not in use. Store paint in a cool, dry place, away from direct sunlight. **Protect from freezing.** If paint becomes frozen, allow the paint to completely thaw and come to room temperature, then mix thoroughly before use.

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

**Health & Safety** – Use in a well-ventilated area. Avoid contact with eyes. Wash hands thoroughly with soap and warm water after use. Do not take internally. When spraying or sanding, use a properly-fitting, NIOSH approved respirator per the manufacturer’s instructions. **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](http://www.epa.gov/lead)

**Skin contact:** Thoroughly wash with soap and warm water before the coating dries. Individuals with sensitive skin may require gloves.

**Eye contact:** Rinse with clean water for 15 minutes. Seek medical attention.

**Inhalation:** To help prevent irritation, use only in well-ventilated areas. If irritation occurs, move to fresh air. If irritation persists, seek medical attention.

**Ingestion:** Do not induce vomiting. Seek medical attention.

**Read the Safety Data Sheet for Additional Health and Safety Information.**

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**Warranty** – This product will perform as claimed if directions are followed. Directions are as complete as possible, but cannot encompass all conditions, applications, techniques, and/or surfaces, which are beyond our control. Warranty is limited to replacement or refund value of product actually used, if such product proves defective within two years of manufacture. No other warranty is expressed or implied.

**Technical Assistance** – For additional technical assistance contact our Technical Department at 818-683-0201 or e-mail [technical@modernmasters.com](mailto:technical@modernmasters.com).

**Disclaimer:** Modern Masters, Inc. believes, to the best of its knowledge, information, and belief, the information contained herein to be accurate and reliable as of the date of this material safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials and makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained

Container Size	Case Pack	Case Weight Under
1 Six Ounce Jar	6	X lbs.
1 Quart Jar	4	XX lbs.
1 Gallon Can	2	XX lbs.