



# Technical Data Sheet

Modern Masters Inc. (800) 942-3166  
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## Wildfire Luminescent Paints Fluorescent Pigmented Water Base Acrylic Blacklight Color Balanced Brush, Roll or Spray Apply Super Saturated Pigmentation The Most Powerful Luminescence Available



### Visible Colors

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)

### Invisible Colors

Invisible Blue (WF192)  
Invisible Green (WF297)  
Invisible Orange (WF201)  
Invisible Red (WF287)  
Invisible Yellow (WF203)

### Phosphorescent Color

Glow Green (WF202)

### Protective Sealer

UV Inhibitor Varnish (WF998)

Modern Masters® **Wildfire Luminescent Paint** is the leading edge in UV visual effects paints and coatings for all entertainment industries, including television and motion picture studios, theme parks, themed attractions as well as prominent Dark Ride Design/Builders and Haunted House builders and night club venues.

The **Wildfire Luminescent Paint** line includes 10 Daylight/Blacklight Visible Colors, 5 Daylight Invisible "White"/ Blacklight Visible Colors, as well as a line of 6 Daylight "Clear" and Invisible/ Blacklight Visible Colors. An after glow, Phosphorescent Green and the **Wildfire UV Inhibitor Varnish** (WF998) a premium quality, non-yellowing 100% acrylic, water base varnish, round out this versatile line. The **UV Inhibitor Varnish** (WF998) is formulated to have the optimum level of clarity with the least amount of sheen, while protecting the fluorescent pigments from destructive UV-B and UV-C, while still allowing the paints to glow bright under UV-A blacklight, extending the life of the effect.

**Surface Preparation** – Follow standard practices and procedures for properly preparing surfaces for the application of traditional water-based acrylic paint. 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. Properly prime the clean, dry surface with a white primer from our **recommended list of primers** and allow the surface to dry completely—preferably overnight. **Note:** Lower temperature and higher humidity will lengthen the dry and cure times of primers.

#### **Recommended Primers:**

**Bulls Eye 1-2-3 by Zinsser**

**Sierra Griptec by Rustoleum**

Substrates: previously painted surfaces, muslin or canvas, unfinished drywall, textured drywall, vinyl siding & shutters, paneling and wall covering, masonry & brick, cured stucco, cast concrete, Hardiboard & Hardiplank, unfinished plywood, particle board, galvanized metal, direct to clean metal, PVC piping, Tile or Laminate.

For MSDS and Technical Data Sheets for these primers go to [www.modernmasters.com](http://www.modernmasters.com) and search in our technical section of the web site.

**For Architectural Specifications visit [ARCAT.com](http://ARCAT.com) and search for Modern Masters Inc. or under a specific product name.**

**Application Conditions** – Wildfire Paints are meant for interior surfaces only. Keep away from direct sunlight as the fluorescent pigments will fade in approximately 3 months or less when exposed to sunlight. Do not apply in temperatures below 50°F/10°C or above 85°F/29°C. 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** – Modern Masters Wildfire Paint can be brushed, rolled, or sprayed onto any paintable, properly primed, interior surface. Wildfire Paints look best when spray applied. Stir the paint well before using.

**Brushing:** Use a high-quality brush recommended for water-based paints.

**Rolling:** When rolling, work in approximately 4-foot wide sections, keeping a wet edge.

**Spraying:** To spray Wildfire Paint, use an airbrush, conventional cup gun, an HVLP gun, or an airless spray unit. Thin as needed--but carefully--as over-thinning of the paint may result in loss of hide and a reduction of the desired appearance. We recommend a starting point of thinning with water or Roscoe P-50 water base fire retardant at 30%, when using spray equipment and thinning 40-50% with water or Roscoe P-50 water base fire retardant when using an airbrush. Multiple thin coats are more effective than thick coats and produce a more uniform finish. When spraying, use a properly-fitting, NIOSH approved respirator per the manufacturer's instructions.

**Tinting** – All Wildfire 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. 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. Note: Dry times recorded at 70°F and 50%RH. 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.

**Protective Clear Coating** – In certain applications, Wildfire Paints may require the use of a protective top coat. The Wildfire **UV Inhibitor Varnish** (WF998) is formulated to have the optimum level of clarity with the least amount of sheen, while protecting the fluorescent pigments from destructive UV-B and UV-C, while still allowing the paints to glow bright under UV-A blacklight, extending the life of the effect.

The painted surface must be fully cured (approximately 24 hours) prior to application. For best results and maximum protection, a minimum of two (2) coats of varnish is recommended.

**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 hide and full color development.

**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.

**VOC:** Wildfire Paints are compliant under SCAQMD Rule: 1113, Graphic Arts Coatings category and contains <100 grams per liter of VOC, regulatory measurement. The UV Inhibitor Varnish contains <350 grams /liter VOC. The VOC content for each color is available upon request. Wildfire Paints contain No Hazardous Air Pollutants.

**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 paint becomes 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.

**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 Material 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

<b>Container Size</b>	<b>Container Weight Under</b>
1 Six ounce	1 lbs.
1 Pint	2 lbs.
1 Quart	3 lbs.
1 Gallon	12 lbs.
1 5 Gallon	60 lbs.