



FLUORESCENT CONCENTRATES

TECHNICAL DATA SHEET



Check local VOC regulations to ensure compliance of all products in your area.

DESCRIPTION

Fluorescent Concentrates are a line of intense, eye-catching colors for creating custom graphics.

FEATURES

- Extra bright colors
- High visual impact
- Compatible with multiple paint technologies

SUITABLE SUBSTRATES

- Base Colors Bright White
- Paste Pearls
- Lightning FX
- Flakes

TYPICAL PROPERTIES

Part:	Product Name:	Color:	Container:
03208	Fluorescent Concentrates	Fireball	Pint
03218	Fluorescent Concentrates	Caliente	Pint
03228	Fluorescent Concentrates	Stop Lite	Pint
03238	Fluorescent Concentrates	Maui Blue	Pint
03248	Fluorescent Concentrates	Mean Green	Pint
03258	Fluorescent Concentrates	Hotter Than Pink	Pint
03268	Fluorescent Concentrates	Marvey Magenta	Pint
03278	Fluorescent Concentrates	Wild Chartreuse	Pint
03288	Fluorescent Concentrates	Sun Spot	Pint

Regulatory VOC: 627-668 g/L, 5.22-5.57 #/gal

Flash time: 10-15 minutes between coats

Bake time: 30 minutes @ 120°F (49°C)

Air dry time (preferred): 30 minutes before topcoating

Use VOC calculator to determine VOC of mixtures. Check local VOC regulations to ensure compliance of all products in your area.



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HANDLING AND APPLICATION

PREPARATION:

Over **Base Colors, Paste Pearls, Lightning FX or Flakes**:

Note:

Fluorescent Concentrates have a short lifetime because of the limited "light-fastness" in the sun and are not recommended for overall refinishing or when long life of the color application is required.

All **Fluorescent Concentrates** should be applied over **Base Colors Bright White** for maximum brightness. Additionally, **Base Colors Bright White** can be tinted with **Fluorescent Concentrates**, usually 10% before reducing. This will give the base a pastel tint of the fluorescent that will be applied afterwards, helping with the coverage of **Fluorescent Concentrates**.

Base Colors, Paste Pearls, Lightning FX or Flakes should be allowed sufficient dry time, typically 30 minutes after last coat, before applying **Fluorescent Concentrates**.

MIXING:

Shake or stir thoroughly. All **Fluorescent Concentrates** should be mixed with **Mix Clear**.

FIRST, MIX BY VOLUME:

4 Parts	1 Part
Mix Clear	Fluorescent Concentrates

THEN, MIX BY VOLUME:

1 Part	1 Part
Fluorescent / Mix Clear	SR/SRX Reducer

Note:

Use of additives other than **SR** or **SRX** reducers are not recommended and may affect both the appearance and performance of **Fluorescent Concentrates**. Due to VOC regulations, **SRX Exempt Reducers** must be used in California.

Always use the reducer best suited to shop conditions. Dry times may vary depending on film build, shop conditions and reducer used.

One capful of most urethane clearcoat hardeners can be added to the **Mix Clear / Fluorescent Concentrates** mixture. This addition yields excellent early adhesion, superior chip resistance and is especially useful in multi-layered designs which result in excessive film build. Pot life is one hour when making this addition. Test compatibility before spraying and always use hardeners that meet VOC regulations for your area.



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APPLICATION:

Set air pressure to:	45-60 psi for non-HVLP
	8-10 psi at the cap for HVLP equipment
Use a gun equipped with:	1.2-1.3 nozzle for small projects
	1.3-1.4 nozzle for large projects

1. Spray 4-5 medium-wet coats with a 50-75% overlap keeping the gun 6-8" from the substrate. Allow to flash approximately 10-15 minutes between coats.
2. Allow final coat to flash 30 minutes before applying top coat.

Note:

Always clear **Fluorescent Concentrates** with the highest quality two-component urethane clearcoat, such as **World Class™ Clears** for maximum color hold-out and UV protection.

Note:

Always spray a test panel to confirm color and check for coverage. Additionally, always spray full passes when applying **Fluorescent Concentrates** to avoid dark areas where panels overlap.

CLEANUP:

Use appropriate cleaning materials compliant with VOC regulations in your area.

STORAGE:

Fluorescent Concentrates should be stored in a cool dry place with adequate ventilation away from heat, sparks and flames. The shelf life for **Fluorescent Concentrates** is 5 years when stored under normal conditions.

RELATED PRODUCTS:

Part:	Product Name:	Size:
02044	Base Colors Bright White	Quart
MC011	Mix Clear	Gallon
MC014	Mix Clear	Quart
SR104	Fast Reducer	Quart
SR204	Medium Reducer	Quart
SR304	Slow Reducer	Quart
SRX14	Fast Exempt Reducer	Quart
SRX24	Medium Exempt Reducer	Quart
SRX34	Slow Exempt Reducer	Quart

Note:

For more information on World Class Clears, visit semproducts.com.



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Technical Consultation Service

Our Technical Staff is ready to assist you with any questions. You are invited to take advantage of our extensive experience, laboratory services and trained field service representatives. Call (800) 831-1122 for answers to your questions. Hours of operation are Monday through Thursday 8:00 am until 5:00 pm EST and on Friday 8:00 am until 4:30 pm EST.

Disclaimer:

The information supplied in this document is for guidance only and should not be construed as a warranty. All implied warranties are expressly disclaimed. All users of the materials are responsible for assuring that it is suitable for their needs, environment and use. All data subject to change as SEM deems appropriate.

Users should review the Safety Data Sheet (SDS) and product label for the material to determine possible health hazards, appropriate engineering controls and precautions to be observed in using the material. Copies of the SDS and product label are available upon request.