

**Fluorescent pigments are powders added to screen inks to produce bright, neon colors that are characterized by high brilliance when exposed to a UV black light. This brilliance can be further enhanced using optical brighteners. Fluorescent colors add high interest to graphics, but fade quickly when exposed to UV light.**

## Benefit(s) / Use(s)

Fluorescent Powders can be added to most ink series, depending on ink system, mesh count, adhesion, cure, and desired effect.

## Cautions

Too much Fluorescent pigments can lead to curing issues, reduces the ink flow, and poor transfer.

Fluorescent Powders to inks may result in viscosity, color and printability changes over time. Mix only enough Fluorescent ink to be used the same day.

Fluorescent ink's color fades with exposure to ultraviolet light. This includes outdoor exposure as well as UV reactor exposure. It is therefore recommended to adjust art so these colors are the final colors printed on any image to limit excessive exposure to UV light.

Fluorescent colors are not rated for Outdoor Durability.

*While technical information and advice on the use of this product is provided in good faith, the User bears sole responsibility for selecting the appropriate product for their end-use requirements. Reference the 'Quality Statement' at the end of this document.*

## Pigment Load

Most screen inks provide specific information on the use of these pigments on its specific Technical Data Sheet. The following is a general recommendation at to a starting point.

Add up to the following amount to the ink by weight: **30%**

Example for additives: Ink at 100g with 8% of an additive is calculated as: 100g ink + 8g additive = 108g total

## Mesh

230-305 tpi (90-120 tpcm) monofilament polyester mesh for most applications.

## Screen Printing

If any inks are to be over printed special effect ink(s), the overprinting ink(s) must be evaluated for intercoat adhesion before proceeding with the production run.

## Inter-Printable

When inks are to be printed over these effect colors, the overprinting ink(s) must be evaluated for intercoat adhesion before proceeding with the production run. To maximize intercoat adhesion over interference colors, Interference colors should be printed as late as possible in the print sequence.

## Additives

Any additives should be thoroughly mixed before each use. Prior to production, test any additive adjustment to the ink. Inks containing additives should not be mixed with other inks.

## Optical Brightener

Add up to **1%** NSICH221 Optical brightener to fluorescent inks to enhance color under 'black light' viewing conditions. NSICH221 Optical brightener changes the hue of the Fluorescent ink.

## General Information

### Handling

Refer to the SDS for recommendations on handling.

Inhalation is the primary route of exposure and irritation with powder pigments. Therefore, it is recommended that all personnel mixing and handling these products minimize the creation of dust. If pigment is inhaled, seek fresh air and consult a doctor if feeling unwell.

# Nazdar Fluorescent Pigment Powders



Consult the applicable Safety Data Sheet (SDS / MSDS) for further instructions and warnings.  
 For assistance on a wide range of important regulatory issues, consult the following Regulatory Compliance Department link at <http://www.nazdar.com> or contact Nazdar Ink Technologies - World Headquarters (see contact listing at the end of this document).

## Weathering / Outdoor Durability

Inks mixed with this additive is not recommended for outdoor use.

## Specific Storage / Shelf Life Info

Store tightly closed in a dry area. Interference pigments Powder items are useable for a period of at least **12 months** from the date of manufacture. To obtain the shelf life for special inks and additives, contact Nazdar Customer Service or Nazdar Technical Service - see contact listing at the end of this document. Contact Nazdar Technical Service at [InkAnswers@nazdar.com](mailto:InkAnswers@nazdar.com), for any questions.

## Packaging / Availability

Contact your Nazdar distributor for product availability and offering.

### Standard Colors

Standard items listed below are inventoried in 1 pound containers.

Item Type	Item Number	Item (or Color) Description
Additives	SIPP105	Fluorescent Pink
Additives	SIPR622	Fluorescent Red
Additives	SIPO510	Fluorescent Red/Orange
Additives	SIPO511	Fluorescent Orange
Additives	SIPY915	Fluorescent Yellow
Additives	SIPY952	Fluorescent Yellow/Green
Additives	SIPG305	Fluorescent Green
Additives	SIPU711	Fluorescent Blue
Additives	SIPR623	Fluorescent Magenta

## Nazdar Quality Statement

*Nazdar® stands behind the quality of this product. Nazdar® cannot, however, guarantee the finished results because Nazdar® exercises no control over individual operating conditions and production procedures. While technical information and advice on the use of this product is provided in good faith, the User bears sole responsibility for selecting the appropriate product for their end-use requirements. Users are also responsible for testing to determine that our product will perform as expected during the printed item's entire life-cycle from printing, post-print processing, and shipment to end-use. This product has been specially formulated for screen printing, and it has not been tested for application by any other method. Any liability associated with the use of this product is limited to the value of the product purchased from Nazdar®.*

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