

Fluorescent Series UV Flexo Ink was specifically formulated for Tag and Label printing. These inks exhibit strong vivid colors and have excellent rheology characteristics making them ideal for most printing equipment, and product applications.

SUBSTRATES

Pressure sensitive vinyls, top coated and print treated polyester, BOPP films, polyethylene, polystyrene and some paper & board.

USER INFORMATION

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. See full disclaimer at the end of the document.

ANILOX ROLLS

260 – 440 lines (cells per inch) corresponding to a volume from 6.0 to 4.0 bcm.

PLATES

Fluorescent Series is compatible with UV Flexo plates on the market

PRINTING

Fluorescent Series can be printed over Rotary Screen 8376 No-Sil Combination White, 9300 and 9400 UV Flexo inks (See the 8300 and 9300 Series technical data sheets for more information).

The Fluorescent Series ink is formulated to be press ready. Thoroughly mix the ink prior to printing. Maintain ink temperature at 65°-90° F (18° - 32° C) for optimum print and cure performance. Pretest to determine optimum printing performance for each set of ink, substrate, anilox, press, curing variables/conditions and any post printing processes.

The Fluorescent Series can be affected by stray UV light in and around a printing facility. Be aware of skylights, windows and overhead lights curing the ink. Light filters are recommended. Keep ink containers covered when not in use.

CURE PARAMETERS

Fluorescent Series ink cures at web speeds up to 1000 fpm when exposed to a medium pressure mercury vapor lamp. It is recommended to print the fluorescent colors as last color down using a minimal amount of energy for cure.

These guidelines are intended only as a starting point for determining cure parameters, which must be determined under actual production conditions.

CLEAR / REDUCING TRANSPARENT WHITE

9310 Reducing Transparent White and 9410 Base Transparent White can be used to reduce strength and viscosity Fluorescent colors.

9360 Base Transparent White can be used to reduce strength of fluorescent colors.

CLEAN UP

Use NWC10 EZ Cleaner

STORAGE

Store tightly covered at temperatures between 65°-90° F (18°-32° C). Ink taken from the press should not be returned to the original container; store separately to avoid contaminating unused ink.

GENERAL INFORMATION

INK HANDLING

Direct skin contact to UV inks is the primary route of exposure and irritation. Therefore, it is recommended that all personnel handling UV products wear gloves and barrier cream to prevent direct skin contact. Safety glasses are suggested in areas where ink may be splashed. If ink does come in contact with skin, wipe ink off with a clean, dry cloth (do not use solvent or reducer). Wash the affected area with soap and water. Consult the 9300 Series Material Safety Data Sheet for further instructions and warnings.

The Fluorescent Series ink is a one-part, 100% solids UV-curable Flexo printing ink and does not contain HDODA or Benzophenone.

ADHESION TESTING

Even when recommended UV energy output levels are achieved, it is imperative to check adhesion on a **cooled down** print:

1. Touch of ink surface – the ink surface will be smooth and slick.
2. Thumb twist – the ink surface will not mar or smudge.
3. Scratch surface – the ink surface will resist scratching.
4. Tape test – apply 3M #610/810 clear tape, rub down, and rip off at a 180 degree angle. Ink should not come off.

FADE RESISTANCE

The Fluorescent Series inks are designed for interior applications only.

SHELF STABILITY

The Fluorescent Series inks in unopened containers will have a minimum of 3 months shelf stability. Although useable after 3 months some color shift may occur.

PRODUCT OFFERING

PACKAGING

The Fluorescent Series inks are available in 9 lb and 45 lb containers.

Stock No.	Fluorescent Printing Colors
9381	Fluorescent Blue
9382	Fluorescent Green
9383	Fluorescent Yellow
9384	Fluorescent Orange
9385	Fluorescent Red
9386	Fluorescent Pink
9387	Fluorescent Magenta
Stock No.	Cleaner
NWC10	EZ Cleaner

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 flexo 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®.

Based on information from our raw material suppliers, these products are formulated to contain less than 0.06% lead. If exact heavy metal content is required, independent lab analysis is recommended.

Nazdar Worldwide Headquarters
8501 Hedge Lane Terrace, Shawnee, KS 66227-3290
Toll Free: 866.340.3579 Phone: 913.422.1888 Fax: 913.422.2296
<http://www.nazdar.com> e-mail: custserv@nazdar.com