

### Description

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 vinyl, top coated and print treated polyester, BOPP films, polyethylene, polystyrene, coated paper & board.

### USER INFORMATION

#### Anilox Rolls

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

#### Plates

9300 Series is compatible with most 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.

#### Clears / Varnishes

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.

#### Performance Verification

After press/job set up is complete, inspect a portion of the printed web for all applicable and specified properties. These properties include but are not limited to: cure, adhesion, mar and rub resistance, product resistance and gloss. These tests should be performed prior to beginning the full production run.

#### Fade Resistance

The Fluorescent Series inks are designed for interior applications only.

**PRODUCT OFFERING****Packaging**

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

<b>Stock No.</b>	<b>Fluorescent Printing Colors</b>
9381	Fluorescent Blue
9382	Fluorescent Green
9383	Fluorescent Yellow
9384	Fluorescent Orange
9385	Fluorescent Red
9386	Fluorescent Pink
9387	Fluorescent Magenta

<b>Stock No.</b>	<b>Cleaner</b>
NWC10	EZ Cleaner