

Description

9400 Paper Series UV Flexo Ink was specifically formulated for Tag and Label printing. These inks have excellent rheology characteristics making them ideal for most printing equipment, and product applications.

Substrates

Paper, Board and some films.

USER INFORMATION

Anilox Rolls

300-1200 line (cells per inch) corresponding to a volume from 7.5 to 0.8 bcm.

Plates

9400 Series is compatible with most UV Flexo plates on the market

Printing

9400 Series can be printed over Rotary Screen 8376 No-Sil Combination White. (See the 8300 Series technical data sheet for more information).

The 9400 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 9400 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

9400 Series ink cures when exposed to a medium pressure mercury vapor lamp set at 300 - 600 watts per inch. These guidelines are intended only as a starting point for determining cure parameters, which must be determined under actual production conditions.

Clears / Varnishes

9410 Base Transparent White can be used to reduce the strength of the base, process, and fluorescent colors.

Additives

All additives should be thoroughly mixed into the ink before each use. Prior to production, test any additive adjustment to the ink.

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 9400 Series Material Safety Data Sheet for further instructions and warnings.

The 9400 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, gloss, and coefficient of friction. These tests should be performed prior to beginning the full production run.

Fade Resistance

The 9400 Series inks are designed for interior applications only. The colors designated with (FR) use pigments which have extended fade resistance.

PRODUCT OFFERING

Process Colors

Standard process colors are formulated to print using up to 1200 line (0.8 bcm) anilox.

Base Colors

9400 Base Colors are designed to be high strength. The colors can be mixed together to achieve an unlimited number of strong vibrant colors.

Other Available Products

Fluorescent Colors – See UV *Flexo Fluorescent Data Sheet*.

Metallic Colors- See UV Flexo Metallic Data Sheet.

Packaging

Opaque White	11 lb, 50 lb
Base Transparent White	8 lb, 40 lb
All other colors	9 lb, 45 lb

Stock No.	Fade Resistant (FR) Colors
9421	FR Yellow/Amarillo (BW7)
9422	FR Orange/Naranja (BW7)
9423	FR Warm Red/Rojo (BW7)
9424	FR Rubine Red/Rojo (BW8)
9425	FR Rhodamine Red/Rojo (BW8)
9426	FR Purple/Morado (BW8)
9427	FR Violet/Violeta (BW8)
9428	FR Reflex Blue/Azul (BW8)
9449	13700 Black (BW8) Do not blend with 9400 bases

Stock No.	Process Colors
9441	Process Yellow/Amarillo (BW5)
9442	Process Magenta/Rojo (BW5)
9443	FR Process Cyan /Azul (BW8)
9444	FR Process Black/Negro (BW8)
9447	FR Process Yellow/Amarillo (BW7)
9448	FR Process Magenta/Rojo (BW8)

Stock No.	Additives
RE393	UV Reducer (Up to 10% by weight)

Stock No.	Cleaner
NWC10	EZ Cleaner

Stock No.	Base Printing Colors
9408	Opaque Base White/Blanco (BW8)
9409	Base Black/Negro (BW8)
9410	Base Transparent White/Blanco
9411	Base Yellow/Amarillo (BW5)
9412	Base Orange/Naranja(BW6)
9413	Base Warm Red/Rojo (BW5)
9414	Base Rubine Red/Rojo (BW5)
9415	Base Rhodamine Red/Rojo (BW4)
9416	Base Purple/Morado (BW4)
9417	Base Violet/Violeta (BW5)
9418	Base Reflex Blue/Azul (BW5)
9419	Base Process Blue/Azul (BW8)
9420	Base Green/Verde (BW8)