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6400 Offset Paper Series Ink was specifically formulated for Tag and Label printing. The 6400 has excellent print quality especially at high speeds. The 6400 inks have excellent color strength, curing, adhesion and scratch resistance.

SUBSTRATES

6400 UV Offset Series is suitable for a variety of paper substrates such as: Gloss, Semi-gloss, Cast gloss, Bond, Uncoated and folding carton SBS, SUS and CCNB. Also works on some films.

PROPERTIES

- Excellent color consistency and mileage
- Non - Bleed
- Very good adhesion to a wide variety of substrates
- Great print quality at high speeds
- Excellent curing
- High Quality

USER INFORMATION

PLATES/BLANKETS

6400 UV Offset Series is compatible with UV Offset plates and blankets on the market.

PRINTING

6400 UV Offset Series can be printed over Rotary Screen 8376 No-Sil Combination White, 83400's and over 9301 Flexo Opaque White (See the 8300 and 9300 Series technical data sheets for more information).

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 inks, substrate, press, curing variables/conditions and any post printing processes.

The 6400 UV Offset 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

6400 UV Offset Series ink cures at web speeds up to 1000 fpm 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.

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 6400 UV Offset Series Material Safety Data Sheet for further instructions and warnings.

The 6400 UV Offset Series ink is a one-part, 100% solids UV-curable offset printing ink and does not contain HDODA or Benzophenone.

TRAPPING

The 6400 UV Offset inks are formulated for tack stepping 14-17@ 800rpm and can be wet trapped.

PRODUCT OFFERING

STANDARD PRINTING WHITE

The 6401 Opaque White has excellent opacity and can be used as first down or where opacity is critical when trapping other colors.

BASE COLORS

The 6400 UV Offset Base Series are designed to be high strength. The base colors can be mixed together to achieve an unlimited number of strong vibrant colors.

PROCESS COLORS

The 6400 UV Offset Series 4 color process inks are based on SWOP standards.

ADDITIVES

Reducer: Use RE364 UV Tack Reducer to reduce the viscosity of the ink. Add 3-4% by weight. Each percentage added will reduce tack 1-2 units @ 800 rpm

Photoinitiator: Use CARE70 to improve cure. Add 1-2% by weight.

CLEAN UP

Isopropyl alcohol, denatured alcohol or any suitable commercial press wash.

PRODUCT OFFERING

Stock No.	Standard Printing Colors
6401	Base Opaque White/Blanco
Stock No.	Base Printing Colors
6409	Base Black/Negro
6410	Base Transparent White/Blanco
6411	Base Yellow/Amarillo
6413	Base Warm Red/Rojo
6414	Base Rubine Red/Rojo
6415	Base Rhodamine Red/Rojo
6416	Base Purple/Morado
6417	Base Violet/Violeta
6418	Base Reflex Blue/Azul
6419	Base Process Blue/Azul
6420	Base Green/Verde
Stock No.	Process Colors
6441	Process Yellow/Amarillo
6442	Process Magenta
6443	Process Cyan/Azul
6444	Process Black/Negro
Stock No.	Additives/Reducers
RE364	UV Tack Reducer
CARE70	UV Photoinitiator Dark

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 offset 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.

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