



SERIES 5100 ROTARY SCREEN (51-000)

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PRODUCT DESCRIPTION

Kolorcure's Series 5100 Rotary Screen printing inks provide outstanding opacity, cure response, and print quality. Adhesion to polyethylene and polypropylene films, as well as, paper, vinyl, styrene and most polyesters is excellent. These inks meet the stringent demands of the Beverage market while providing the required characteristics for the Health and Beauty, Pharmaceutical and Petroleum markets.

Series 5100 inks enable you to optimize your film deposit to achieve rich opaque and transparent colors which provide excellent lightfast graphics. Brilliant metallics and vibrant fluorescent colors are also available in this ink series.

Outstanding color graphics can be achieved when combining our UV Flexo with our Rotary Screen Inks.

PRODUCT FEATURES

- Low Odor
- High Gloss
- High Speed Curing
- Excellent Intercoat Adhesion
- Opaque & Transparent Colors
- Outstanding printing and flow Properties

RECOMMENDED SUBSTRATES

Kolorcure's Series 5100 Rotary Screen inks have been formulated to adhere to most label substrates including PVC, PE, PP, PS, BOPP films.

DIRECTIONS FOR USE

Pretest for adhesion to all substrates prior to production printing, as well as, other properties to determine suitability. Mix well prior to each use.

Surface - A clean dry surface is preferred for superior adhesion.

Mesh - Prints well through rotary screens that deposit 6-15 microns.

Squeegee - A 60-80 durometer (Shore A Hardness) polyurethane is recommended. It should be well sharpened.

Screen Wash Up - A special high flash point wash containing no hydrocarbon solvents should be used, such as KOLORCURE'S UVW-80 Screen Wash.

CURING AND CURING EQUIPMENT

Series 5100 Rotary Screen inks cure in air upon brief exposure to a focused high intensity ultraviolet light source. A standard 200-300 watt per inch medium pressure mercury vapor lamp should be used. For an optimal cure a 225-250 millijoule window is required. If a loss of gloss or adhesion occurs due to insufficient cure, the use of mixing base will increase light penetration and improve cure. In addition faster curing speeds can also be achieved by adding 3-5% liquid sensitizer.

STORAGE AND HANDLING

All KOLORCURE photopolymer inks and coatings should be stored in a cool dry area: 80°F (27°C) or below. Keep these inks and coatings away from direct sun light and indirect white light. Do not use these inks and coatings in areas having fluorescent lights overhead. Keep these inks and coatings away from internal heat sources.

WARNING

The use of goggles, gloves, and protective clothing is recommended. Avoid prolonged breathing of vapors. Contact of liquid material with the skin may be irritating; wash exposed area thoroughly with soap and water. Contact of liquid with the eyes may cause injury – effects may be delayed; flush eyes with large amounts of water for 15 minutes and call a physician. Like most polymers, the properly -cured resins are considered largely inert.

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