

Optical Media Screen Inks

CD & DVD Decoration

SERIDISC BKI

**UV Curing Screen Inks for printing
on optical media discs**

Features

- UV Curing Inks
- Gloss Finish
- Fast Curing
- Ultra Low Shrinkage
- Trichromatic Colours along with Set of Seritone Colours
- Colour Matching Capability

Substrate

CD & DVD Polycarbonates

**TEST INKS ON SUBSTRATES
BEFORE PRODUCTION RUN**

SERICOL
More than ink...Solutions.
FUJIFILM

Thinning

Seridisc BKI inks are supplied press ready and thinning is normally not required. But considered necessary may be thinned as follows:

- ZE 822 Thinner (Max. Addition 10%)
ZE 808 Gel Additive (Max. Addition 20%)

Mesh:

Monofilament, yellow, polyester fabric: 150.31PW or meshes that apply similar or lower film weight.

Stencils:

Stencils can be best prepared with Sericol's stencil making products:

- **Xtend Prep 101** for abrasion of screen
- **Xtend Prep 102** for degreasing of screen

Emulsions: Dirasol 132 (single pack) or Dirasol 915 (two pack).

Curing

Seridisc BKI inks are designed for printing and curing on typical compact disc printing machines equipped with medium pressure mercury vapour lamps or fusion units.

Coverage

7800 to 8000 discs full coverage per kilogram of ink through 150.31PW monofilament mesh.

Wash Up

Wash up screens with SS-639 Universal Screen Wash. This will ensure long life of stencils made with Dirasol emulsions.

Accelerated Life Testing

When printed and cured in accordance with our recommendations, Seridisc BKI inks are expected to pass any of the artificial ageing and environmental tests that are typically used throughout the optical media manufacturing industry.

Spin-coat Lacquer

Seridisc BKI inks are designed for printing over most commonly available spin-coat lacquers. Because of the wide variations in the chemistry of spin-coat lacquers, printers should ensure that the inks and lacquer are compatible before starting production run.

Storage

- Keep inks in a cool place (10 deg.C to 25 deg.C), away from direct sunlight.
- Keep the ink can tightly closed when not in use.
- Left over inks should not be returned to the ink can.
- Shelf life is approximately 18 months from the date of manufacture.
- **Stir well before use.**

Applications

Seridisc BKI inks are used for decoration of optical media, viz., compact discs and DVDs.

Colour Range

Trichromatic Colours

BKI-004	Seridisc BKI Trichromatic Black
BKI-052	Seridisc BKI Trichromatic Yellow
BKI-135	Seridisc BKI Trichromatic Magenta
BKI-215	Seridisc BKI Trichromatic Cyan
BKI-396	Seridisc BKI Trichromatic Extender Base

Colour Range (contd.)

Standard Colours

BKI-001	Seridisc BKI Black
BKI-021	Seridisc BKI White
BKI-025	Seridisc BKI Opaque White
BKI-064	Seridisc BKI Seritone Yellow (GS)
BKI-066	Seridisc BKI Seritone Yellow (RS)
BKI-114	Seridisc BKI Seritone Orange
BKI-121	Seridisc BKI Seritone Red (YS)
BKI-127	Seridisc BKI Seritone Violet (YS)
BKI-164	Seridisc BKI Seritone Red (BS)
BKI-165	Seridisc BKI Seritone Yellow (RS)
BKI-230	Seridisc BKI Seritone Blue
BKI-225	Seridisc BKI Ultramarine Blue
BKI-325	Seridisc BKI Seritone Green (RS)
BKI-383	Seridisc BKI Varnish

Safety and Handling

Seridisc BKI inks:

- Are formulated to be free from any (toxic) carcinogenic, mutagenic or reprotoxic chemicals.
- Do not have flash point are therefore exempt from the Highly Flammable Liquid Regulations.
- Are formulated free from lead and other heavy metals and therefore comply to the EN71-3:1995 Toy Safety Standard.

Comprehensive information on the safety and handling of Seridisc BKI inks is given in the Material Safety Data Sheet, which is available on request.

Environmental Information

Seridisc BKI inks:

- Do not contain ozone depleting chemicals as described in the Montreal Convention.
- Are formulated free from aromatic hydrocarbons, which are known to have an adverse effect on the environment.
- Are free from volatile solvent.

The information and recommendations contained in this Product Information sheet, as well as technical advice otherwise given by representatives of our Company, whether verbally or in writing, are based on our present knowledge and believed to be accurate. However guarantee regarding their accuracy is given as we cannot cover or anticipate every possible application of our products manufacturing methods, printing stocks and other material vary. For the same reason, our products are sold without warranty and on the condition that users shall make their own tests to satisfy themselves that they will meet fully their particular requirements. Our policy of continuous product improvements might make some of the information contained in the Product Information sheet out of date and users are requested to ensure that they follow current recommendations.

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