



Product Information

Seridisc Inks Line • Groundcoat White Inks • Trichromatics • Offset

Seridisc is the complete family of premium UV curing inks and varnishes designed to fulfil the requirements of the optical media industry. The range includes a set of high viscosity line colours and four-colour process sets for screen and wet-on-dry offset printing.

Seridisc Ink Ranges

Seridisc UR

A high viscosity, fast curing set of 14 line inks which include the Seritone Matching System and the fluorescent Hi-Light matching system with PANTONE** Matching Formulae. The ultra-low shrinkage during cure combined with excellent adhesion and resistance properties makes these inks suitable for today's most demanding CD and DVD applications.

Seridisc UR

- UR001 Black
- UR909 Jet Black
- UR021 White
- UR024 Flash White
- UR064(s) Seritone Yellow (Green Shade)
- UR066(s) Seritone Yellow (Red Shade)
- UR114(s) Seritone Orange
- UR121(s) Seritone Red (Yellow Shade)
- UR164(s) Seritone Red (Blue Shade)
- UR165(s) Seritone Magenta
- UR127(s) Seritone Violet
- UR230(s) Seritone Blue
- UR325(s) Seritone Green
- UR382 Metallic Ink Medium
- UR501 Mixing Base
- UR510 Screen and Offset Overprint Varnish

Available in 5 kg containers.

(s) = Seritone Base Colours

- UR053 HI-Light Yellow L
- UR104 HI-Light Orange L
- UR137 HI-Light Red M
- UR138 HI-Light Red D
- UR167 HI-Light Magenta S

Available in 5 kg containers

Seridisc Trichromatic CK

A four-colour process set of screen inks (to DIN 16538/9) for high-speed production of picture discs with superior quality. Combines excellent halftone definition with strong, vibrant colours.

Seridisc CKA 10,11 and 12, a fully press ready set of process inks, designed to be printed through a 150.31, for high-speed, high quality production.

Seridisc CKA 20,21 and 22, a fully press ready set of process inks, designed to be printed through a 165.31, for high-speed, high quality production.

Main Characteristics

Finish

Gloss - except UR909 Satin Finish.

Curing

Designed for printing and curing on optical disc printing machines, equipped with medium pressure mercury vapour lamps or fusion units.

Thinning & Wash-up

All Seridisc inks are supplied press ready.

Seridisc Screen inks can be washed up with Screen Wash Universal/ZT639.

Seridisc Offset inks can be washed up with any commonly available ester based cleaners.

Cleaners containing mineral oil should not be used.

Stencil Systems for Seridisc Screen inks

Ink System	Mesh Count*	Recommended Stencil Type
Seridisc UR	150.31	Xtreme Screen **
Seridisc Trichromatic CK	165.31	Xtreme Screen **
Seridisc Offset OF	N/A	Presstek PEARLdry waterless offset or equivalent

* All mesh is dyed and plain weave.

** Xtreme Screen is FUJIFILM Sericol's dedicated Stencil System for CD/DVD decoration. Its unique quality, durability and reliability makes it the No. 1 choice for every Screenprinter in this demanding industry. For more information on Xtreme Screen please refer to the FUJIFILM Sericol website, www.fujifilmsericol.com, or contact your local FUJIFILM Sericol representative.

Mileage in Production

Ink System	Mesh Count	Discs/kg ‡
Seridisc UR	150.31	8000-9000
Seridisc Trichromatic CK	165.31	9000-10000
Seridisc Offset OF	N/A	80,000-90,000

‡ All figures are estimates for printing a full coverage 'Donut'.

Co-use with other inks

Seridisc Screen inks can be intermixed and printed over any other ink in the Seridisc Screen ink range but must not be used in conjunction with any other ink. Seridisc offset may be printed over any Seridisc screen ink, but should not be intermixed.

IMPORTANT: Stir well before every use

* PANTONE® is the property of Pantone, Inc.

Seridisc Inks

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Seridisc Trichromatic CK

CK052	Yellow
CK135	Magenta
CK215	Cyan
CK004	Black
CK396	Extender Base

Available in 5 kg containers.

Seridisc Trichromatic CKA

CKA10	Cyan
CKA11	Magenta
CKA12	Yellow
CK004	Black
CK396	Extender Base

Available in 5 kg containers.

Seridisc Trichromatic CKA

CKA20	Cyan
CKA21	Magenta
CKA22	Yellow
CK004	Black
CK396	Extender Base

Available in 5 kg containers.

Seridisc Offset OF

A four-colour process set of offset inks to DIN 16538/9. Especially designed for wet-on-dry printing on modern Screen/Offset Combination Machines, these inks give maximum ink transfer while maintaining a low and controlled tack. Seridisc OF inks are highly recommended for use with Seridisc UR024 'Flash White' to give ultimate offset transfer and bright, colourful and photo realistic images.

Seridisc OF

OF052	Yellow
OF135	Magenta
OF215	Cyan
OF004	Black

Available in 1 kg containers

Accelerated Life Testing

When printed and cured in accordance with our recommendations, SERIDISC inks may be expected to pass any of the artificial ageing and environmental tests that are typically used throughout the optical media manufacturing industry. Typical test conditions are 60°C and 95% relative humidity for 500 hours followed by assessment of visual appearance, adhesion and hardness tests as well as a full evaluation of all relevant electronic properties.

Spin-coat Lacquers

SERIDISC Screen inks are designed for printing over most commonly available spin-coat lacquers. Because of the wide variations in the chemistry of spin-coat lacquers and the differences in adhesion between on-line and off-line machine configurations, printers should ensure that the inks and lacquer are compatible before starting a production run.

Post Curing

The chemical reaction initiated by the UV Dryer when spin-coat lacquers are cured will continue for some time after pressing. In some circumstances this reaction can adversely affect ink adhesion. Best results are achieved if printing immediately follows lacquer curing. This is particularly important in off-line printing installations.

Thinning

Seridisc inks are press ready but, where considered necessary, may be thinned as follows:

Ink	Product Code	Type	Maximum Addition
Seridisc UR } Seridisc CK }	ZE637	Thinner	up to 5%

Reducers

ZE637 Seridisc Thinner

Available in 5 ltr containers.

Cleaners

ZT639 Screen Wash Universal

Available in 5 and 15 ltr containers.

The Seritone Matching System

The Seritone system enables printers to readily match special colours. It consists of nine colours, each selected for cleanliness of tone and suitability for intermixing.

001 (black) and 021 (white) are pigmented to achieve the ideal tinting and colour reducing power, and are therefore suitable for both colour matching and as printing colours.

UR501 Mixing Base is available for mixing into any of the standard UR colours when greater transparency or faster cure is desired.

The use of Universal Tinters is not recommended with any SERIDISC ink.

The Seridisc Hi-Light Matching system

For improved accuracy, brightness and opacity the fluorescent SERIDISC UR Hi-Light system is recommended. The five additional Hi-Light colours are used in combination with the Seritone base colours.

PANTONE®* Matching Systems

The UR range has pre-matched formulations for the colours in the coated ('C' suffixed) section of the PANTONE® Colour Formula Guide. In addition UR has pre-matched formulations based on the SERIDISC Hi-Light matching colours for improved accuracy of colour.

FUJIFILM Sericol colour management solutions include:

- **PANTONE® Colour Formula Guide**
- **Classic Silver** – Original PANTONE recipes direct on to disc.
- **Hi-Light Silver** – Original PANTONE recipes, enhanced by selective use of Hi-Light recipes direct to disc.
- **Classic White** – Original recipes over white 'donut' print.
- **Hi-Light White** – Original PANTONE recipes, enhanced by selective use of Hi-Light recipes over a white 'donut' print.
- **Cherlyn Scales** – Pre-programmed with the FUJIFILM Sericol formulations of PANTONE references to ensure maximum accuracy, speed and cost savings.
- **Ink Dispensers** – Fully automated and pre-programmed with FUJIFILM Sericol formulations

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Storage

Containers should be tightly closed immediately after use. At the end of long printing runs surplus ink should be disposed of. Seridisc inks are outside the Petroleum (Flammable Liquids) Order 1971 and Liquefied Gases Regulations 1972.

Seridisc inks should not be stored in direct sunlight or near warm pipes and should be kept away from peroxides.

In the interest of maximum shelf life, storage temperatures should be between 10°C and 25°C.

When stored in a cool environment Seridisc inks are expected to have a shelf life of approximately 12 months from the date of manufacture.

Fujifilm Sericol UK Limited

- Has certification to the International Environmental Standard, ISO 14001.
- Is committed to minimising the risk to users of our products, and also to minimising the impact of our activities on the environment, from formulation through to production and supply.
- Research & development team, work to an in house Health, Safety and Environmental policy, termed 'Design for Health, Safety and Environment', with the aim of proactively developing products with the least impact on health, safety and the environment.
- Regularly review and monitor our impacts and activities, setting objectives and targets as part of a continual improvement process.
- Is committed to reducing waste through better use of raw materials, energy, water, re-use and recycling.

Safety and Handling

Seridisc inks:

- have a flashpoint greater than 55°C and are therefore not classified as a 'dangerous substance' under the Dangerous Substances and Explosive Atmospheres Regulations (DSEAR).

Comprehensive information on the safety and handling of Seridisc inks, solvents and associated products is given in the appropriate Safety Data Sheets.

Environmental Information

Seridisc inks:

- do not contain ozone-depleting chemicals as described in the Montreal Convention.
- are formulated free from aromatic hydrocarbons.
- are free of any volatile solvent and can therefore be considered to have less impact on the environment, when compared with solvent-based products.
- should be disposed of as hazardous waste; UK customers should contact Environment Services (telephone number 01843 872080) to arrange for correct disposal.

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, no guarantee regarding their accuracy is given as we cannot cover or anticipate every possible application of our products and because manufacturing methods, printing stocks and other materials vary. For the same reason our products are sold without warranty and on condition that users shall make their own tests to satisfy themselves that they will meet fully their particular requirements. Our policy of continuous product improvement might make some of the information contained in this Product Information sheet out of date and users are requested to ensure that they follow current recommendations.

SERICOL
More than ink...Solutions.

FUJIFILM

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