



Seridisc Inks Line • Groundcoat White Inks • Trichromatics • Offset

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

Seridisc Ink Ranges

Seridisc UR

A high viscosity, fast curing set of 18 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.

The UR Range also contains a comprehensive package of special URA products such as writable, protective or metallic varnishes. For more Details please refer to your local Sericol representative.

Seridisc UR

UR001	Black
UR007	Matt Black
UR009	Dense Black
UR010	Diamond Black
UR021	White
UR024	Flash White
UR025	Opaque 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
UR501	Mixing Base
UR510	Screen and Offset Overprint Varnish

Are available in 1 & 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

Are available in 5 kg containers

Seridisc JK

A Medium viscosity, fast curing set of 18 line inks which include the Seritone 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.

Main Characteristics

Finish

Gloss - except UR007 Matt Black.

Curing

Designed for printing and curing on modern 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/JK	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 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 Sericol website, www.fujifilmsericol.com, or contact your local Sericol representative.

Mileage in Production

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

‡ All figures are calculated 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.

IMPORTANT: Stir well before every use

Seridisc Inks

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Seridisc JK

JK001 Black
JK009 Dense Black
JK021 White
JK064 (s) Seritone Yellow (Green Shade)
JK066 (s) Seritone Yellow (Red Shade)
JK114 (s) Seritone Orange
JK121 (s) Seritone Red (Yellow Shade)
JK127 (s) Seritone Violet
JK164 (s) Seritone Red (Blue Shade)
JK165 (s) Seritone Magenta
JK230 (s) Seritone Blue
JK325 (s) Seritone Green
JK501 Mixing Base

Are available in 5 kg containers

(s) = Seritone Base Colours

Seridisc 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.

Seridisc CK

CK052 Yellow
CK135 Magenta
CK215 Cyan
CK004 Black
CK396 Extender Base
Are available in 1 & 5 kg containers.

Seridisc CKA

CKA10 Cyan
CKA11 Magenta
CKA12 Yellow
CK004 Black
CK396 Extender Base
Are available in 1 & 5 kg containers.

Seridisc CKA

CKA20 Cyan
CKA21 Magenta
CKA22 Yellow
CK004 Black
CK396 Extender Base
Are available in 1 & 5 kg containers.

Seridisc 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
OF396 Extender Base

Are available in 1 kg containers and cartridges

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Whites

The Groundcoat Whites within the Seridisc range of inks:

Product Code	Description	Finish	1kg	5kg	155kg
URA01	Matt White	Matt		✓	
URA46	Hi Speed White	Hi Gloss		✓	✓
UR024	Flash White	Ultra Gloss	✓	✓	✓

Product summary

Product C Code	Description	Flow	Smoothness	Opacity	Cure Speed	Mileage	DVD Adhesion
URA01	Matt White	3	4	5	4	8000	Yes
URA46	Hi Speed White	5	5	5	5	10000	Yes
UR024	Flash White	5	5	5	5	10000	Yes

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 JK Seridisc CK	ZE637	Thinner	up to 5%
	ZE808	Gel Additive	up to 10%

Reducers

ZE637 Seridisc Thinner
ZE808 Gel Additive
Are available in 1 and 5 ltr containers.

Cleaners

ZT639 Screen Wash Universal
Is available in 15, 5 and 1 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.

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.
- **Minitint and Easytint Scales** – Pre-programmed with the Sericol formulations of PANTONE references to ensure maximum accuracy, speed and cost savings.
- **Ink Dispensers** – Fully automated and pre-programmed with Sericol formulations

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 cool environment SERIDISC inks are expected to have a shelf life of approximately 12 months from the date of manufacture. Seridisc Liquid Substrate – IJR Coating is expected to have a shelf life of up to 6 months.

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

Comprehensive information on the safety and handling of Seridisc inks is given in the appropriate Sericol Safety Data Sheets available on request.

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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