

Solvent-based Line Inks for Paper & Board COLORSTAR CS ♦ SERISTAR SX

SERICOL

PRODUCT INFORMATION

A range of inks providing a variety of finishes for printing onto natural and synthetic papers, board, coated hardboard, glass and coated metals.

Colorstar CS

Colorstar CS is a satin finish, jet or air drying range for use on paper, display and corrugated board as well as other substrates such as hardboard, wood, glass, 'Polyart' and 'Synteaape' 'Type 10 Tyvek'.

CS colours are fast drying and have excellent screen stability/self-solvency and good holdout on absorbent stocks. They are fully miscible with Seristar SX to produce intermediate finishes and can be used to over/under-print Seristar SX.

Seristar SX

Seristar SX is a high gloss, jet or air drying range for use on paper, display and corrugated board as well as other substrates such as hardboard, wood, glass, 'Synteaape', coated polyesters and metal.

SX colours are fast drying and have excellent screen stability, self-solvency, rub and scuff resistance. Seristar SX is fully miscible with Colorstar CS to produce intermediate finishes and can be used to over/under-print Colorstar CS.

IMPORTANT:

Stir well before every use. Colorstar CS is suitable for use on 'Type 10 Tyvek' and 'Depron H' and, for interior use only, some grades of polystyrene.

Because of the wide variations of polystyrene and metal coatings, it is essential to test applications fully before beginning a production run.

Outdoor Exposure of Seristar SX and Colorstar CS

Although Seristar SX and Colorstar CS inks give good adhesion to many substrates used outdoors, the composition of the inks are not suitable for prolonged outdoor exposure and prints will have limited durability.

Poster Pastes

Certain adhesives and poster pastes can adversely affect the printed ink film and customers are recommended to ensure those used are compatible.

Metallic Inks

There is a selection of metallic powders and pastes which can be blended into Seristar SX383. Full details are available in the product information sheet 'Universal Tinters, Overprint Varnishes, Metallic Powders and Ink Media' available at www.fujifilm.eu.

Main characteristics

Finish

Colorstar CS: Satin
Seristar SX: High Gloss

Drying

Colorstar CS: Jet 50-60°C – 10-20 secs
Seristar SX: Jet 50-60°C – 10-20 secs.

Figures are substrate dependant and overprints may require more drying time.

Thinning

Colorstar CS: 20-30% ZC530. Hot shop conditions use ZC536. Optimum adhesion to glass use ZC536. Fine line & slow speed use ZC535.

ZC535 is the recommended thinner where an aromatic solvent free system is required (see 'Environmental Information').

Seristar SX: 20-30% ZC530. Hot shop conditions use ZC533. Slow printing or fine line use ZC535. To maximise adhesion to glass/coated metals use ZC536.

Wash-up

Screen Wash Universal or Actisol Superjet Screen Spray. ZC530 may also be used for Seristar SX.

Mesh

100-140 monofilament

Stencil Type

Solvent resistant.

Recommended:

Dirasol 902, Dirasol 916, Indirect or 25 micron capillary film (18/25 micron for Colorstar CS).

Coverage & Mesh No.

Colorstar CS: 60-75 m²/ltr No. 110
Seristar SX: 65-75 m²/ltr No. 110

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Universal Tinters

Universal Tinters are a range of 10 non-fluorescent and 4 fluorescent highly concentrated colour bases for tinting, designed to mix easily into all Sericol solvent-based paper and board inks. Up to 10% of non-fluorescent and 20% of fluorescent tinters may be added. See Product Information Sheet 'Universal Tinters, Metallic Inks and Varnishes'.

PANTONE® Matching System

The Colorstar CS and Seristar SX ranges include the Seritone base colours plus Black, White and Extender Base to produce accurate simulations of PANTONE® colours in the coated ('C' suffixed) section. The Fujifilm package includes:

1. **PANTONE® Colour Formula Guide**
2. **Fujifilm Formula Guide**
Formulations given in percentages by weight.
3. **PANTONE Formula Scales**
Pre-programmed with PANTONE shades to ensure maximum accuracy, speed and cost savings.

Special Matches

Matches can be supplied against prints, wet ink samples or to PANTONE®, British Standard, 'HKS', or 'Munsell' references. A sample of the substrate with the number and type of mesh to be used as well as other relevant data should be attached to orders.
Minimum quantity 5 ltr.

Standard Colours

| | Colorstar CS | Seristar SX |
|--|--------------|--------------|
| Black | CS001 | SX001 |
| White | CS021 | SX021 |
| Tinting White | | SX030 |
| Extra Opaque White | CS023 | - |
| Opaque White | - | SX025 |
| Light Yellow/Seritone Yellow (Green Shade) | CS064 | SX064 |
| Mid Chrome/Seritone Yellow (Red Shade) | CS066 | SX066 |
| Deep Orange/Seritone Orange | CS114 | SX114 |
| Vermilion/Seritone Red (Yellow Shade) | CS191 | SX121 |
| Seritone Red (Blue Shade) | CS164 | SX164 |
| Seritone Magenta | CS165 | SX165 |
| Deep Violet/Seritone Violet | CS127 | SX127 |
| Seritone Blue (Red Shade) | CS233 | - |
| Seritone Blue | CS230 | SX230 |
| Seritone Green | CS325 | SX325 |
| Extender Base | CS381 | - |
| Varnish | - | SX383 |
| Available pack sizes | 5 ltr | 5 ltr |

Solvents

ZC530 Thinner & Cleaner for CS, SX

ZC533 Retarder for CS, SX

ZC535 Detail Thinner for CS, SX

ZC536 Special Thinner for CS, SX

Available in 5 ltr containers.

Fujifilm Speciality Ink Systems Limited:

- Has certification to the International Environmental Standard, ISO 14001.
- Has certification to the Quality Management Standard, ISO 9001.
- Has certification to the Occupational Health and Safety Standard, ISO 18001.

- 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 and 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

Colorstar CS and Seristar SX:

- Are formulated to be free from any chemicals toxic to health, carcinogenic, mutagenic or reprotoxic according to Directive 67/548/EC.
- Unless otherwise indicated, colours in the range are routinely tested and supplied EN71-3 2013 approved.

Comprehensive information on the safety and handling of Fujifilm screen inks and solvents is given in the appropriate Safety Data Sheets.

Environmental Information

Colorstar CS and Seristar SX:

- Do not contain ozone-depleting chemicals as described in the Montreal Convention.

Colorstar CS:

- Is formulated free from aromatic hydrocarbons.

The information and recommendations contained in this Product Information sheet, as well as technical advice otherwise given by representatives of Fujifilm Speciality Ink Systems Limited and its associated companies, 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.

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