

Color+ Series UV inkjet inks.

Color+ Series CI ink system is a range of UV curable inkjet inks developed specifically for use with Superwide Piezo print on demand printers.

Features

- Fast UV cure for high production output
- Excellent inter-coat lay down for backlit and solid prints
- Wide adhesion range with no loss in flexibility to all media including polyethylene substrates
- Ultra low print odor
- Recommended for both internal & external applications
- Bright vibrant colors
- Suitable for uncoated materials

Ink Properties

Series CI is a range of high density, highly durable UV curable pigmented inks for Piezo drop on demand printhead technology. Using the best quality pigments and the Fujifilm Sericol unique Micro V dispersion technology Color+ Series CI inks produce the widest color gamut of any UV curable ink system, increasing the number of colors printable whilst simultaneously maximizing outdoor light-fastness for prints with a lasting impact.

Color Range

CI004 Black
CI052 Yellow
CI867 Magenta
CI335 Light Magenta
CI215 Cyan
CI255 Light Cyan
CI021 White
CI900 Flushing and Cleaning Solvent

Available in 5 kilo containers

Application Range

Series CI inks are formulated to provide excellent adhesion to flexible materials giving superb output quality, even at high print speeds. These inks are suitable for a wide range of media such as flexface banners, mesh, blue-back or backlit paper, self-adhesive vinyl, flags and many more coated and uncoated media.

Main applications include:

- Posters
- Banners
- Bus/Taxi Advertising
- Exhibition Graphics
- Display POP

Color+ Series CI can be used to decorate a wide range of substrates such as:

- Banner Grade PVC
- Self-adhesive Vinyl
- Mesh
- Poster Paper
- Polyethylene
- Polypropylene

THE END USER MUST DETERMINE SUITABILITY OF THIS PRODUCT FOR THE INTENDED USE PRIOR TO PRODUCTION.

Curing

Excellent cure and adhesion are achieved immediately on curing. However maximum adhesion and chemical, scuff and scratch resistance may not be obtained until 4 hours after initial curing. The actual level of cure will depend upon ink thickness, colors in image, substrate and the UV curing lamps being used. Superior through-cure may be obtained by reducing the print speed to increase the overall UV dose.

Color and Outdoor Durability

The highest quality pigments have been chosen for their very wide color gamut maximizing the range of colors achievable.

Accelerated weathering tests have been carried out in a Xenon Arc weatherometer set to the SAEJ 1960 standards. Under these conditions, for the Sign and Banner market, the accelerated weathering of Series CI inks equates to approximately 24 months outdoor exposure in a temperate climate such as North America.

Chemical and Abrasion Resistance

Series CI inks have good chemical and abrasion resistance. For optimum print durability it is recommended to over varnish or laminate prints to protect the surface from chemical attack.

Storage

In the interest of maximum shelf-life storage temperatures should be between 40 and 85°F. If stored under these conditions the inks are expected to have a shelf-life of 12 months from date of manufacture.

Fujifilm Sericol:

- Has certification to the International Environmental Standard, ISO 14001.
- Is committed to minimizing the risk to users of our products, and also to minimizing 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.

Print Head Warranty

Fujifilm Sericol warrant that Series CI inks have been formulated to be compatible with the ink supply system of presses and will not cause damage to the print heads providing these inks are used in accordance with the original equipment manufacturer's operating and servicing recommendations and Fujifilm Sericol's ink storage conditions. If Fujifilm Sericol inks are proven to be out of specification and as a result causes a breakdown, then Fujifilm Sericol will replace the defective parts.

In the case of a claim, any defective part will be subject to analysis in our technical service laboratory to determine the cause and extent of damage due to ink performance.

This warranty is in addition to that set out in Fujifilm Sericol's standard terms and conditions of supply.

Safety & Handling

Series CI inks

- For optimum shelf life, all products should be stored at moderate temperatures, between 40°F and 80°F. Storage outside of these temperatures may lead to deterioration in the performance of the product.

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

Environmental Information

Series CI 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.



The information and recommendations contained in this Technical Data 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 Technical Data Sheet out of date and users are requested to ensure that they follow current recommendations.

FUJIFILM North America Corporation, Graphic Systems Division

1101 W. Cambridge Drive
Kansas City, KS 66103 USA
1-800-255-4562/(913) 342-4060
Fax: (913) 342-4752
Created: April 27, 2010/TDS/jpl

SERICOL
More than ink... Solutions.
FUJIFILM