

Color+ Series WU

Solvent-based Inkjet Inks

PRODUCT INFORMATION

Color+ Series WU is a range of eco solvent-based inks specifically developed for use with wide format Epson DX4 and DX5 headed inkjet platforms. Color+ inks are renowned for their strong vibrant colour and the WU ink series also provides fast drying times and superior adhesion over other eco ink systems currently available.


Features

- Very low odour
- High printhead reliability
- Excellent colour gamut
- Excellent scratch resistance
- Excellent print quality
- High level of gloss
- Recommended for uncoated and coated media
- Wide adhesion range, onto both polymeric and monomeric vinyls

Ink Properties

Currently there are two categories of solvent inks used in the wide format market place:

- Mild
- Eco

Ink Type	Main Advantage	Main Disadvantage
Eco	Low odour – suitable for office environments, no extraction required	Tend to have a reduced substrate compatibility range, as adhesion is reduced
Mild	Wide substrate range with good adhesion	High odour – not suitable for office environments, extraction required
Color+ WU 	Low odour – suitable for office environments, no extraction required. Wide substrate range with good adhesion	None

Colour Range

- WU004 Black
- WU052 Yellow
- WU135 Magenta
- WU185 Light Magenta
- WU215 Cyan
- WU255 Light Cyan

Available in 1 litre containers

WU016 Flushing and Cleaning Solvent

Available in 5 litre containers

Application Range

Color+ WU inks are ideally suited for a wide range of print applications including:

Outdoor:

- Durable signage
- Window graphics
- Posters
- Banners
- Backlit box signs
- Vehicle graphics

Indoor:

- High resolution graphics
- POS/POP promotional advertising
- Floor graphics
- Textiles

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

Drying

The Color+ WU inks have been specifically formulated to have excellent drying capabilities when printed onto coated and uncoated media most commonly used in the sign and graphics display markets. The actual drying performance will depend on the platform, ink coverage, media type and choice of print speed. If drying speed is a concern, it is recommended to use an infra-red dryer to assist with drying and subsequent adhesion.

Colour and Outdoor Durability

The highest quality pigments have been chosen for their wide colour gamut maximising the range of colours achievable.

Accelerated weathering tests have been carried out in a Xenon Arc Weatherometer set to the SAEJ 1960 Standard. Under these conditions, for the sign and banner market, the accelerated weathering of Color+ WU inks equates to approximately 24 months outdoor exposure in a temperate climate such as the UK.

Chemical and Abrasion Resistance

Color+ WU inks have good chemical and abrasion resistance. However, for optimum print durability it is recommended to over-varnish or laminate prints to protect the surface from chemical attack.

Plastics

Certain plastics may be impregnated with lubricants, which may impair adhesion and block resistance even a considerable period of time after printing.

It is normal for Banner Grade PVC to be highly plasticised, which over time migrates to the surface significantly reducing the ink adhesion level. This problem can be overcome by wiping the surface with white spirit before printing.

Print Head Warranty

Fujifilm warrants that Color+ WU series inks have been formulated to be compatible with the ink supply system of wide format platforms and will not cause damage to the print heads, providing these inks are used in accordance with the original equipment manufacturers operating and servicing recommendations and Fujifilm's ink storage conditions.

If Fujifilm inks are proven to be the cause of a breakdown, then Fujifilm 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's standard terms and conditions of supply.

Storage

Color+ WU inks should not be stored in direct sunlight or near heat sources and should be kept away from peroxides. In the interest of maximum shelf life storage temperatures should be between 5°C/41°F and 30°C/86°F. When stored under these conditions the inks are expected to have a shelf life of 12 months from date of manufacture.

Fujifilm Speciality Ink Systems 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 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

Color+ WU inks:

- Are formulated to be free from any chemicals toxic to health, carcinogenic, mutagenic or reprotoxic according to Directive 67/548/EC.
- Have a flashpoint greater than 55 °C and are therefore not classified as 'dangerous substance' under the Dangerous Substances and Explosive Atmospheres Regulations (DSEAR).
- For optimum shelf life, all products should be stored at moderate temperatures, between 5°C and 30°C. Storage outside of these temperatures may lead to deterioration in the performance of the product.

Comprehensive information on the safety and handling of Color+ inks is given in the appropriate Safety Data Sheets.

Environmental Information

Color+ WU inks:

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