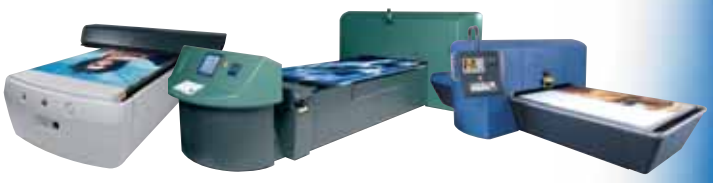
Uvijet EG



UVIJET UV Curable Jet Inks exclusively designed for the Inca range of flatbed printers.

Using Sericol's unique Micro-V dispersion technology to maximise pigment loading, the Uvijet range of UV curing inks delivers vibrant, lightfast colours that last. The main advantages of Uvijet are:

Features

- Environmentally friendly UV curable process
- Specifically formulated for each individual printer to maximise production output
- Intense colours. Wide colour gamut
- Low print odour
- Wide adhesion range
- Recommended for both internal and external applications
- Suitable for decoration of uneven substrates
- 5 litre open top containers for ease of use

Ink Properties

The Uvijet EG range is a high quality UV curable inkjet system, for Piezo Drop-on-Demand print heads, specifically developed for use with the Inca printers.

The inks offer superb dot reproduction, lightfast bright colours, and adhere to a wide range of rigid and flexible uncoated materials.

Uvijet EG Colour Range

The Uvijet EG ink range is available as a 4-colour process set with an optional blue-shade Magenta.

EG215 Cyan
EG135 Magenta
EG867 Magenta Blue Shade
EG052 Yellow
EG004 Black
QV017 Flushing Solution

IMPORTANT: EG135 and EG867 are not compatible with one another. Where a change is necessary it must be performed by Sericol personnel.

Available in 5 litre containers.

ZE680 Adhesion Promoter
ZE720 Adhesion Master

Available in 1 litre containers.

Application Range

Uvijet EG has been formulated specifically to maximise the benefits of Inca's UV curing flatbed printers.

These printers accept rigid and flexible materials up to 40mm thick and Uvijet EG inks are designed to decorate a wide range of uncoated media, including:

Media type	Adhesion Characteristic
Display Board	✓✓✓
Corrugated Board	✓✓✓
Foam Centred Board	✓✓✓
Foam PVC	✓✓✓
Acrylic	✓ (A) will improve adhesion to ✓✓
Flexible PVC	✓✓
Self Adhesive PVC	✓✓✓
Gloss Rigid PVC	✓✓
Fluted Polypropylene	✓ (B) will improve adhesion to ✓✓✓
Polyethylene	✓ (B) will improve adhesion to ✓✓
Paper	✓✓✓
Polycarbonate	✓✓
Polyester - Top Coated	✓✓
Digital Dibond	✓✓✓

Excellent ✓✓✓ ***Good*** ✓✓ ***Fair*** ✓
A = ZE680 Adhesion Promoter may optimise performance
B = ZE720 Adhesion Master may optimise performance

Curing

Excellent cure and adhesion are achieved immediately on curing. However, maximum adhesion, chemical, scuff and scratch resistance may not be obtained until 24 hours after initial curing.

The actual level of cure will depend upon ink thickness, 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.

Pre-production Tests

Uvijet EG is formulated to adhere to most major brands of plastic, polypropylene and polyethylene materials with a surface energy level of 42 dynes/cm or higher.

For certain applications where finished prints may require cutting, drilling or routing, it is recommended that a Uvijet adhesion promoter is used prior to printing to aid adhesion and mechanical resistance.

However, it is strongly recommended that all substrates are tested before a commercial run.

PRODUCT INFORMATION

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Plastics

Certain plastics may be impregnated with lubricants which, like plasticisers, migrate impairing adhesion and block resistance for a considerable period after printing.

This can be overcome by wiping the surface with isopropyl alcohol (IPA) before printing.

Chemical and Abrasion Resistance

Uvijet EG inks have good chemical and excellent abrasion resistance. However, for optimum resistance over-varnishing with a durable UV screen varnish such as Uvibond UV383 is recommended.

Outdoor Use

Accelerated weathering tests have been carried out in a Xenon Arc Weatherometer set to the SAEJ1960 standard. Under these conditions the accelerated weathering of Uvijet EG inks equates to approximately 24 months outdoor exposure in a temperate climate, such as the UK.

For polyethylene materials such as correx, it is recommended that Uvijet Adhesion Master ZE720 is applied prior to printing to maximise ink and substrate adhesion.
Where prolonged outdoor use is required, it is strongly recommended to obtain verification of the actual durability of the polyethylene (correx) material from the manufacturer or substrate supplier prior to use to ensure that the choice of Correx will not adversely effect the durability of Uvijet digital inks.

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

Storage

Uvijet EG 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 15˚C and 30˚C.

When stored in a cool environment Uvijet EG inks, with the exception of EG052 Yellow, are expected to have a shelf life of 12 months from date of manufacture. The shelf life of EG052 is expected to be 6 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

Uvijet Inks

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

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

Environmental Information

Uvijet 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.

Uvijet Adhesion Promoter - ZE680

- Does not contain ozone-depleting chemicals as described in the Montreal Convention.
- Is formulated free from aromatic hydrocarbons.

Uvijet Adhesion Master - ZE720

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

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.

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