

Uvijet GS

UV Curing Ink System for Acuity Ultra Printers

Using Fujifilm's unique Micro-V dispersion technology to maximize pigment loading, the Uvijet range of UV curing inks delivers strong vibrant colors.

Uvijet GS 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 Fujifilm's unique Micro V dispersion technology, Uvijet GS inks produce class leading color gamut increasing the number of colors printable while simultaneously maximizing outdoor light fastness for prints with a lasting impact.



Uvijet

Features:

- Robust jetting reliability
- Excellent inter-coat lay down for backlit and solid prints
- Excellent cost in use with ultra-low ink film deposit
- Low in print odor (dependent on material / lamp setting used)
- Recommended for indoor and external applications
- Greenguard and AgBB approved
- Bright vibrant colors



SPECIFICATIONS:

UVIJET GS INK SERIES

Uvijet GS Color Range

- ▶ GS-052/5K Yellow
- ▶ GS-215/5K Cyan
- ▶ GS-867/5K Magenta Blue Shade
- ▶ GS-004/5K Black
- ▶ GS-255/5K Lt Cyan
- ▶ GS-335/5K Lt Magenta
- ▶ GS-021/1K White
- ▶ GS-HC/1K Head Conditioner

Colors available in 5 kilogram and white in 1 kilogram containers

GS-HC Head Conditioner available in 1 kilogram containers

APPLICATION RANGE

Uvijet GS 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, blueback or backlit paper, self-adhesive vinyl, backlit films, UV fabrics and many more coated and uncoated media.

Main applications include:

- ▶ High end luxury backlit displays
- ▶ Exhibition graphics
- ▶ Interior decoration and wallpapers
- ▶ Display POP
- ▶ Banners / Posters
- ▶ Bus / Taxi advertising

Uvijet GS can be used to decorate a wide range of substrates such as:

Backlit films

UV fabrics

Banner grade PVC

Self-adhesive vinyl's

Mesh

Poster paper

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

CURING

Excellent cure and adhesion are achieved immediately upon print and UV 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 lamp settings 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 allowing the inks to produce a 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 Standard. Under these conditions, for the sign and banner market, the accelerated weathering of Uvijet GS inks equates to approximately 18 months outdoor exposure in a temperate climate, such as most of United States except deep Southwest and Florida.

CHEMICAL AND ABRASION RESISTANCE

Uvijet GS 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 abrasion and chemical attack.

PRINT HEAD WARRANTY

Fujifilm warrant that Uvijet GS 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 operating and servicing recommendations in the Acuity Ultra manual and Fujifilm's ink storage conditions.

In the unlikely event that 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 quality assurance 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

Uvijet GS ink should not be stored in direct sunlight or near heat sources and should be kept away from peroxides. For optimum shelf-life, products should be stored at moderate temperatures between 41°F to 86°F (5°C to 30°C).

When stored in a cool environment the inks are expected to have a shelf-life of 12 months from date of manufacture.

FUJIFILM

- ▶ 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 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

Uvijet GS Inks:

- ▶ Have a high flash point greater than 141°F (61°C) and therefore are exempt from the Highly Flammable Liquid Regulations

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

ENVIRONMENTAL INFORMATION

Uvijet GS:

- ▶ Do not contain ozone-depleting chemicals as described in the Montreal Convention.
- ▶ Are formulated free from aromatic hydrocarbons.
- ▶ Are free from any volatile solvent and can therefore be considered to have less impact on the environment when compared to solvent-based products.
- ▶ Formulated and manufactured without the intentional use of heavy metals, phthalates or conflict minerals. These products are formulated to meet CONEG Packing Legislation, REACH SVHC and ROHS Electrical and Electronic Equipment Directive. If necessary, certification of lead and heavy metals content can be obtained from an independent laboratory.

The information and recommendations contained in this Product Information sheet, as well as technical advice otherwise given by representatives of Fujifilm Specialty 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.

Uvijet GS has gained UL GREENGUARD Gold Certification.

This helps manufacturers create - and helps buyers identify - interior products and materials that have low chemical emissions. GREENGUARD Certification is part of UL Environment, a business unit of UL (Underwriters Laboratories). GREENGUARD Certification. More detail here: ul.com/gg.

Uvijet GS passed testing at AgBB standard

Building products may be a major source of indoor air pollution by volatile organic compounds (VOC). This product was tested following AgBB guidelines and complies with the requirements. More detail here <http://www.eurofins.com>

