

Uvijet QN

Uvijet QN Ink Series

The Uvijet QN range is a high quality UV curable inkjet system, for Piezo Drop-on-Demand print heads, specifically developed for use with the Uvistar 2, Uvistar Pro-8 and Uvistar Pro-8W printers from Fujifilm.

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

**High quality
UV curable
inkjet systems inks
for Piezo Drop-on-Demand
print heads**

The Uvijet logo features the word "Uvijet" in a bold, sans-serif font. The letter "v" is stylized with a red diagonal stroke through it, and the letter "i" has a red dot.

Uvijet QN Ink Series Features

The main features are:

- Conventional UV ink system
- Fast cure for high production output
- Intense colors. Wide color gamut
- Wide adhesion range with excellent adhesion such as polyethylene
- Recommended for both internal and external applications
- Suitable for decoration of uneven substrates
- Suitable for use on the Uvistar 2, Uvistar Pro-8 and Uvistar Pro-8W printers from Fujifilm

APPLICATION RANGE

The Uvistar 2, Uvistar Pro-8 and Uvistar Pro-8W UV roll printers and Uvijet QN ink combine to create a world of printing opportunities.

CURING

Excellent cure and adhesion are achieved immediately. 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 cure may be obtained by reducing the print speed to increase the overall UV dose.

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 QN inks equates to approximately 12 months outdoor exposure in a temperate climate, such as North America.

STORAGE

Uvijet QN ink 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 50°F and 100°F.

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

CHEMICAL AND ABRASION RESISTANCE

Uvijet QN inks have good chemical and excellent abrasion resistance.

SAFETY & HANDLING

•Are free from N-Vinyl-2-pyrrolidone, which is suspected of causing cancer.

•High flashpoint and therefore are exempt from the Highly Flammable Liquid Regulations.

•Are formulated free from lead and other heavy metals and therefore should comply to the American Toy standard ASTM F963 Safety regulations. These products are formulated to meet CONEG Packing Legislation and ROHS Electrical and Electronic Equipment Directive.. Comprehensive information on the safety and handling of Uvijet QN inks is given in the appropriate Fujifilm Material Safety Data Sheets available upon request.

ENVIRONMENTAL INFORMATION

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

•Are formulated free from aromatic hydrocarbons known to have an adverse effect on the environment.

•Are free from any volatile solvent and therefore beneficial to the environment when compared to 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.

Adhesion to PE				
Manf. PE Substrate	Product	Construction	Uvijet QN	
			Initial Results 1hr post printing	After freezer storage tests
Fabrene	X7W7 top coated	LDPE-HDPE-LDPE	★ ★ ★	★ ★ ★
	W147WW Fire retardant	LDPE-HDPE-LDPE	★ ★	★ ★ ★
Cooley Group	Polyposter green back	LDPE-HDPE-LDPE	★ ★	★ ★ ★

Excellent ★ ★ ★ Good ★ ★ Fair ★

Note: Some media may require an adhesion promoter for optimal performance.

SPECIFICATIONS:

UVIJET QN UV SERIES INK

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Uvijet QN Color Range

- ▶ QN - 215/5K Cyan
- ▶ QN - 052/5K Yellow
- ▶ QN - 004/5K Black
- ▶ QN - 867/5K Magenta
- ▶ QV - 100/5L Head Conditioner
- ▶ QN - 003/5K Light Black
- ▶ QN - 255/5K Light Cyan
- ▶ QN - 335/5K Light Magenta

Uvijet QN ink is approved for Nordic Swan Ecolabelled printers.

Media	Adhesion Chart	
	Media Type	Adhesion Characteristics
Flexible	Blueback Paper	★ ★ ★
	SA Vinyl	★ ★ ★
	Banner Vinyl	★ ★ ★
	Tyvek	★ ★ ★
	Mesh	★ ★
	Rigid	Foam PVC
Acrylic		★
APET		★ ★
Gloss Rigid PVC		★ ★ ★
Polycarbonate		★ ★ ★
Styrene		★ ★

Excellent ★ ★ ★ Good ★ ★ Fair ★



THE FUJIFILM GREEN POLICY

We at Fujifilm believe that "sustainable development" of the Earth, mankind, and companies in the 21st century is an issue that must be addressed with the highest priority. As a socially responsible corporation, we actively undertake corporate activities with our environmental values in mind. We strive to be a dedicated steward of the environment and assist our customers and corporate partners in doing the same.