

LIOJET UV Curable INKJET INK Series

Product Features

Liojet UV Curable INKJET INK series are acrylate based UV-curing products suitable for numerous applications. The FV03 series is especially suitable for **decorative coverings (Flooring, edge band and table decoration), packaging and labelling**, which are fast moving markets. These inks have been developed to provide excellent adhesion to several substrates, and in other cases we recommend a primer. The Liojet EX series shows outstanding extensibility. The Liojet NC series have an excellent adhesion to a wide range substrates not only PVC-based materials but also PC, Acrylic, PET, PP and glass without a primer. Furthermore, the Liojet JK series with fast-curing property is being developed as for label applications to achieve high printing productivity. With all pigments having a lightfastness rating of 7+ on the Blue Wool Scale, these ink products are especially suitable for outdoor purposes.

About TOYO INK

With subsidiaries worldwide and over 6000 employees, TOYO INK is one of the biggest world-class ink manufacturers. Our unique corporate culture has been a proven recipe of success for almost a century now.

It allowed us to expand our businesses, which include Printing, Packaging, Colorants, Polymers and R&D.

We manage our business in an honest and reliable way and the relation with business partners is characterized by aspects, which are at the heart of our corporate culture.

"Live with C" is our corporate strategy, encompassing Culture, Communication, Collaboration and Color.

Discover how our corporate activities serve your life, and how important they are to your children's future.

With best regards to all of our customers of different ethnicities, cultures, and languages.

Nice to meet you.. we are **TOYO INK**.

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Product Overview

Liojet Series	Standard Colours	Special Colours
FV03 Series	Cyan, Magenta, Yellow, Black	Light-cyan, Light-magenta, White
EX Series	Cyan, Magenta, Yellow, Black	White, Clear
NC-12 Series	Cyan, Magenta, Yellow, Black	Light-cyan, Light-magenta, White
JK Series	Cyan, Magenta, Yellow, Black (under development)	

Curing Characteristics

The required curing dose depends upon ink film thickness, the substrate targeted and the UV curing lamps being used. In general, the required UV intensity to cure an 8-12 micron thick layer using a medium pressure mercury lamp ("H" bulb) ranges between 400 - 800mW/cm² (at UV-A ;320-390nm).

Higher UV intensity sources will reduce the actual cure dose.

Since the Liojet inks show a good adsorption of UV light between 290-330nm, the use of medium pressure mercury lamp ("H"bulb) or metal halides lamp (iron doped "D"bulb) is recommended to cure Liojet UV curable ink. Curing conditions need to be fine-tuned during your development. Contact our technical department for further info.

		FV03	EX	NC	JK
Adhesion	PVC film	☑☑☑	☑☑☑	☑☑☑	☑☑☑
	Rigid PVC	☑☑☑	☑☑☑	☑☑☑	☑☑☑
	Rigid PVC (Card)	☑☑	☑☑☑	☑☑☑	☑☑☑
	Polycarbonate	☑☑	☑☑☑	☑☑☑	☑☑☑
	ABS	☑☑☑	☑☑☑	☑☑☑	☑☑☑
	Acrylic	☑☑	☑☑☑	☑☑☑	☑☑☑
	PET	☑☑	☑☑☑	☑☑☑	☑☑☑
	Flexible PET	☑☑	☑☑☑	☑☑☑	☑☑☑
	Treated PP	☑☑	☑☑☑	☑☑☑	☑☑☑
	Glass	☒	☒	☑☑☑	☒
Cure Dose		100	200	150	50

OP varnish is available.

- ☑☑☑ Is durable to cross cut test JIS K-5400
- ☑☑ Is durable to cross cut testing depending on substrates.
- ☑ Is durable to scotch tape test ☒ Nail scratch peel off inks