

PAPIJET

INKS FOR DIGITAL TEXTILE PRINTING
RECOMMENDED FOR WORLD BEATING QUALITY AND HIGH PERFORMANCE

Papijet inks are an alternative to conventional printing dyes that offer superior technical performance at a competitive cost.



The Ultimate Solution

- Wide color gamut to comply with various color management requirements
- Excellent compatibility of digital sampling with conventional production
- Excellent printing performance
- High fastness level, color yield, brightness and brilliancy
- Fewer nozzle blockages or print head failures

PAPIJET | LTI 102

Sublimation ink

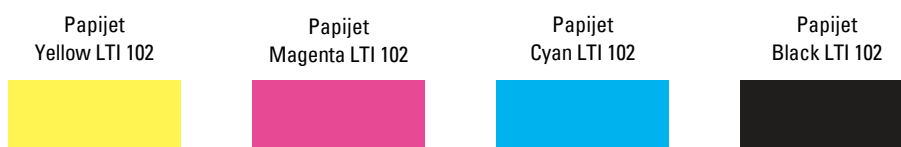
T h e n e x t g e n e r a t i o n o f s u b l i m a t i o n i n k



Kyung-In Synthetic Corporation (KISCO) is the biggest dyestuff manufacturer in Korea. With years of technical know-how and experience of colorants, KISCO developed and produced inks for digital textile printing in order to meet increasing market demands. We make every effort to supply high quality and environmentally friendly products and meet customer requirements around the world.

To print on polyester fabrics without steaming and washing, sublimation printing, as known as transfer printing, is the solution. You firstly print the image onto sublimation paper using Papijet LTI 102 inks and then transfer the image from paper to the polyester fabric. Papijet LTI 102 is a water-based, dispersed, eco-friendly ink for digital direct and sublimation printing with the highest transfer yield. Papijet LTI 102 shows excellent transferability on uncoated paper and exhibits higher strength than other sublimation inks. It also displays the bright shades with good fastness properties.

Shades



Applications: Polyester and its blends for sportswear, swimwear, flags and banners

PAPIJET | LTI 202

Sublimation ink

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To print on polyester fabrics without steaming and washing, sublimation printing, as known as transfer printing, is the solution. You firstly print the image onto sublimation paper using Papijet LTI 202 inks and then transfer the image from paper to the polyester fabric. Papijet LTI 202 is a water-based, dispersed, eco-friendly ink for digital direct and sublimation printing with the highest transfer yield. Papijet LTI 202 shows excellent transferability on uncoated paper and exhibits higher strength than other sublimation inks. It also displays the bright shades with good fastness properties.

Shades

Papijet
Yellow LTI 202



Papijet
Magenta LTI 202



Papijet
Cyan LTI 202



Papijet
Black LTI 202

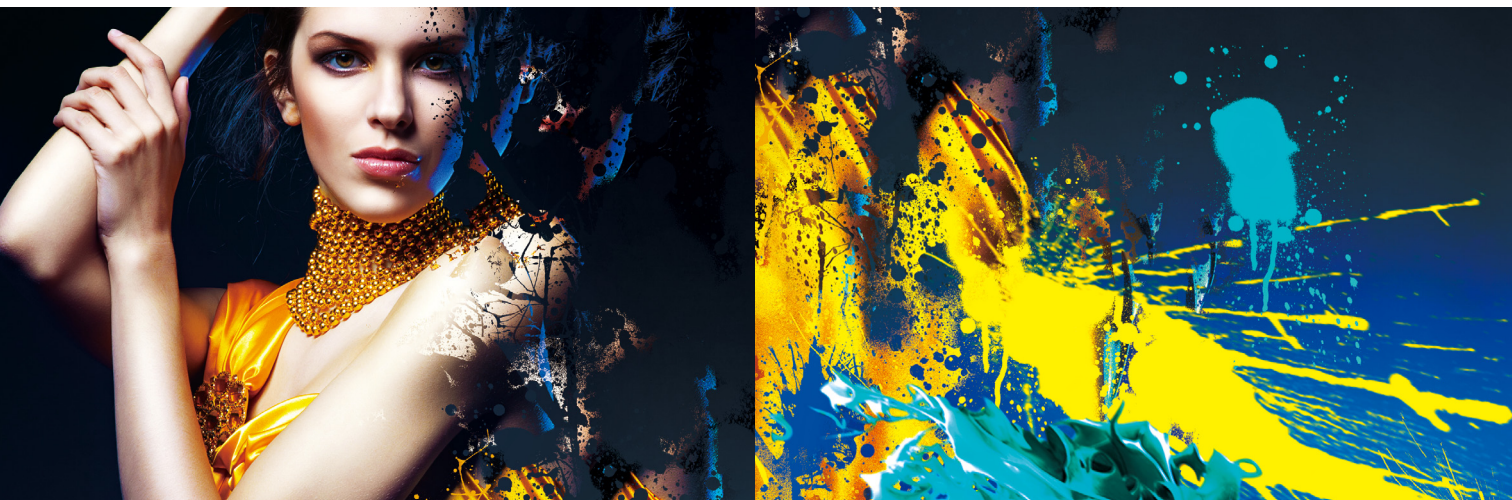


Applications: Polyester and its blends for sportswear, swimwear, flags and banners

PAPIJET | LTI 402

Sublimation ink

The next generation of sublimation ink



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To print on polyester fabrics without steaming and washing, sublimation printing, as known as transfer printing, is the solution. You firstly print the image onto sublimation paper using Papijet LTI 402 inks and then transfer the image from paper to the polyester fabric. Papijet LTI 402 is a water-based, dispersed, eco-friendly ink for digital direct and sublimation printing with the highest transfer yield. Papijet LTI 402 shows excellent transferability on uncoated paper and exhibits higher strength than other sublimation inks. It also displays the bright shades with good fastness properties.

Shades

Papijet
Yellow LTI 402



Papijet
Magenta LTI 402



Papijet
Cyan LTI 402



Papijet
Black LTI 402



Applications: Polyester and its blends for sportswear, swimwear, flags and banners

PAPIJET | **LTI**

Sublimation ink

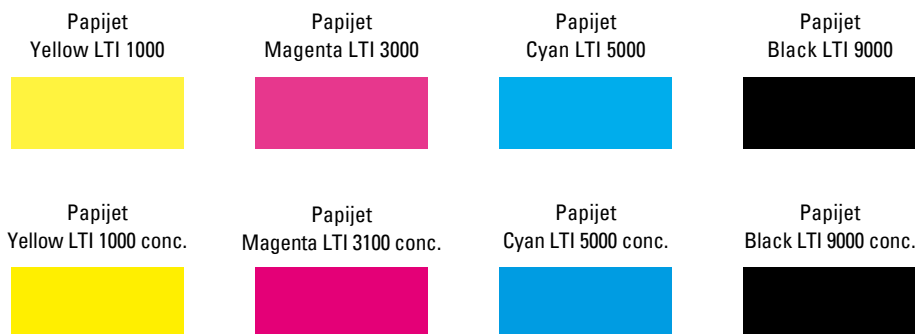
B e y o n d y o u r e x p e c t a t i o n s



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To print on polyester fabrics without steaming and washing, sublimation printing, as known as transfer printing, is the solution. You firstly print the image onto sublimation paper using Papijet LTI inks and then transfer the image from paper to the polyester fabric. Papijet LTI is a water-based, dispersed, eco-friendly ink for digital direct and sublimation printing with the highest transfer yield. Papijet LTI conc shows excellent transferability on uncoated paper and exhibits higher strength than other sublimation inks. It also displays the bright shades with good fastness properties.

Shades



Applications: Polyester and its blends for sportswear, swimwear, flags and banners

Fastness Properties

On Polyester / Spandex (88/22)

	Light	Washing	Water	Perspiration	Sea water	Rubbing
	ISO 105-B02	ISO 105-C06, A2S	ISO 105-E01	ISO 105-E04 Acid/Alkali	ISO 105-E02	ISO 105-X12
	Ch	Ch	Ch	Ch	Ch	Dry/Wet
Yellow LTI 1000 (conc.)	5	4-5	4-5	4-5/4-5	4-5	4-5/4-5
Magenta LTI 3000 (3100 conc.)	4	4-5	4-5	4-5/4-5	4-5	4-5/4-5
Cyan LTI 5000 (conc.)	3	4-5	4-5	4-5/4-5	4-5	4-5/4-5
Black LTI 9000 (conc.)	5	4-5	4	4-5/4-5	4-5	4/4

On Microfibre

	Light	Washing	Water	Perspiration	Sea water	Rubbing
	ISO 105-B02	ISO 105-C06, A2S	ISO 105-E01	ISO 105-E04 Acid/Alkali	ISO 105-E02	ISO 105-X12
	Ch	Ch	Ch	Ch	Ch	Dry/Wet
Yellow LTI 1000 (conc.)	5	4	4	4/4	4	4/4
Magenta LTI 3000 (3100 conc.)	4	3-4	3-4	4/4	4	3-4/3-4
Cyan LTI 5000 (conc.)	3	3-4	3-4	4/4	4	3-4/3-4
Black LTI 9000 (conc.)	4	3-4	3	4/4	4	4/3-4

The following data represents results of internal test performed with the specified ink and fabric. Results in actual end use may vary depending on the particular conditions of use.



KYUNG-IN SYNTHETIC CORPORATION



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Sublimation ink

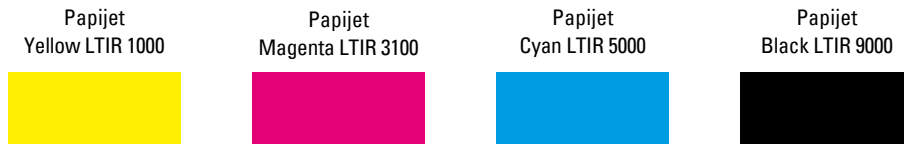
T h e n e x t g e n e r a t i o n o f s u b l i m a t i o n i n k



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Papijet LTIR has been developed for transfer sublimation printing and is compatible with Ricoh print heads. It shows excellent runability on all printers equipped with Ricoh print heads. It is a water-based, dispersed, eco-friendly ink for digital direct and sublimation printing with the highest transfer yield. Papijet LTIR has outstanding transferability on uncoated paper and exhibits higher strength than other sublimation inks. It also displays bright shades with good fastness properties.

Shades



Applications: Polyester and its blends for sportswear, swimwear, flags and banners

Fastness Properties

On Polyester / Spandex (88/22)

	Light	Washing	Water	Perspiration	Sea water	Rubbing
	ISO 105-B02	ISO 105-C06, A2S	ISO 105-E01	ISO 105-E04 Acid/Alkali	ISO 105-E02	ISO 105-X12
	Ch	Ch	Ch	Ch	Ch	Dry/Wet
Yellow LTIR 1000	5	4-5	4-5	4-5/4-5	4-5	4-5/4-5
Magenta LTIR 3100	4	4-5	4-5	4-5/4-5	4-5	4-5/4-5
Cyan LTIR 5000	3	4-5	4-5	4-5/4-5	4-5	4-5/4-5
Black LTIR 9000	5	4-5	4	4-5/4-5	4-5	4/4

On Microfibre

	Light	Washing	Water	Perspiration	Sea water	Rubbing
	ISO 105-B02	ISO 105-C06, A2S	ISO 105-E01	ISO 105-E04 Acid/Alkali	ISO 105-E02	ISO 105-X12
	Ch	Ch	Ch	Ch	Ch	Dry/Wet
Yellow LTIR 1000	5	4	4	4/4	4	4/4
Magenta LTIR 3100	4	3-4	3-4	4/4	4	3-4/3-4
Cyan LTIR 5000	3	3-4	3-4	4/4	4	3-4/3-4
Black LTIR 9000	4	3-4	3	4/4	4	4/3-4

The following data represents results of internal test performed with the specified ink and fabric. Results in actual end use may vary depending on the particular conditions of use.



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PAPIJET | **TxR**
FOR EPSON

PAPIJET | **TxRK**
FOR KYOCERA

Reactive Ink

E x t r e m e l y h i g h p e r f o r m a n c e i n k



Kyung-In Synthetic Corporation (KISCO) is the biggest dyestuff manufacturer in Korea. With years of technical know-how and experience on colorants, KISCO developed and produced inks for digital textile printing in order to meet increasing market demands. We make every effort to supply high quality and environmentally friendly products and meet customer requirements around the world.

Based on our extensive knowledge of reactive dyestuffs, KISCO developed reactive inks to illustrate a large color space in digital textile printing for cellulose fibre. Papijet TxR is developed for Epson heads and Papijet TxRK is optimized for Kyocera heads. Each ink passed all Epson and Kyocera standards. The ink formulations for all 9 colors of Papijet TxR and Papijet TxRK are designed to present the best runability. Papijet TxR and Papijet TxRK are ecologically-friendly, water-based reactive inks with overall good fastness, outstanding fast dry properties, excellent stability and reproducibility.

Process

Pretreatment

- Substrate preparation is an important first step
- Pretreatment is essential to obtain high quality prints

inkjet Printing

- Digital printing can save energy and time
- Papijet TxR for Epson head
- Papijet TxRK for Kyocera head

Post-treatment

- Fixation conditions: 102°C x 10min in saturated steam
- Washing to improve the quality of the garment

Shades

Papijet
Yellow TxR(K) 1000



Papijet
Orange TxR(K) 2000



Papijet
Magenta TxR(K) 3000



Papijet
Red TxR(K) 4000



Papijet
Cyan TxR(K) 5000



Papijet
Blue TxR(K) 6000



Papijet
Black TxR 8000



Papijet
Light Black TxR(K) 8500



Papijet
Black TxR(K) 9100



Papijet
Black TxRK 9200



Applications: Cellulose and its blends for apparel, home furnishing and silk

Fastness Properties

	Light	Washing	Water	Perspiration		Chlorinated water
	ISO 105-B02	ISO 105-C10, D(4)	ISO 105-E01	ISO 105-E04		ISO 105-E03 20mg/l
				Acid	Alkali	
	Ch	Ch/CO/WO	Ch/CO/WO	Ch/CO/WO	Ch/CO/WO	Ch
Yellow TxR(K) 1000	5	5/5/5	5/5/5	5/5/5	5/5/5	4-5
Orange TxR(K) 2000	4-5	5/5/5	5/4-5/5	5/4-5/5	5/4-5/5	4
Magenta TxR(K) 3000	4	5/5/5	5/5/5	5/4/5	5/4/4-5	3
Red TxR(K) 4000	4-5	5/4-5/5	5/5/4-5	5/4-5/5	4/4-5/5	3-4
Cyan TxR(K) 5000	5	4-5/4-5/4-5	5/4-5/4-5	5/4-5/5	5/5/5	3
Blue TxR(K) 6000	5	5/5/5	5/5/5	5/5/5	5/5/5	3
Black TxR 8000	4-5	4-5/5/5	5/5/5	5/4/4	5/4-5/5	4
Light Black TxR(K) 8500	4	4-5/5/5	5/4-5/4-5	5/4/4	5/4/4-5	2-3
Black TxR(K) 9100	4	4-5/5/5	5/5/5	5/4/4	5/4-5/5	4
Black TxRK 9200	4	4-5/4-5/5	5/5/5	4-5/4-5/5	5/4-5/5	4

The following data represents results of internal test performed with the specified ink and fabric. Results in actual end use may vary depending on the particular conditions of use.



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PAPIJET | **TxD**

Disperse Ink

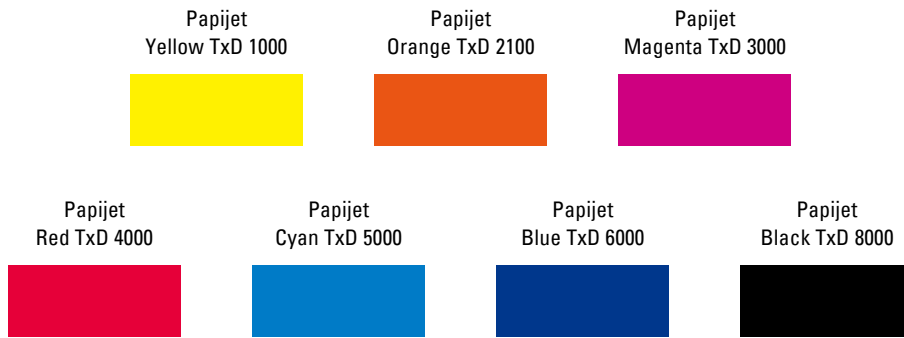
A new day in printing advanced generation



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Digital printing with 7-colors of Papijet TxD inks directly onto polyester fabrics, for example apparel, automotive, sportswear and banners, will give you the best results, particularly high light fastness. Papijet TxD is a water-based dispersed ink with brilliancy, excellent rubbing and washing fastness properties.

Shades



Applications: Direct printing on Polyester for automotive, outdoor, sportswear, apparel, furnishing , flags and banners

Fastness Properties

	Light	Washing	Water	Perspiration		Sea water	Rubbing
	ISO 105-B02	ISO 105-C06, A2S	ISO 105-E01	ISO 105-E04		ISO 105-E02	ISO 105-X12
				Acid	Alkali		
	Ch	Ch/PA/PES	Ch/PA/PES	Ch/PA/PES	Ch/PA/PES	Ch/PA/PES	Dry/Wet
Yellow TxD 1000	7	4-5/4-5/4-5	4-5/4-5/4-5	4-5/4-5/4-5	4-5/4-5/4-5	4-5/4-5/4-5	4-5/4-5
Orange TxD 2100	5-6	4-5/4-5/4-5	4-5/4-5/4-5	4-5/4-5/4-5	4-5/4-5/4-5	4-5/4-5/4-5	4-5/4-5
Magenta TxD 3000	6-7	4-5/4-5/4-5	4-5/4-5/4-5	4-5/4-5/4-5	4-5/4-5/4-5	4-5/4-5/4-5	4-5/4-5
Red TxD 4000	6	4-5/3-4/4-5	4-5/4-5/4-5	4-5/4-5/4-5	4-5/4-5/4-5	4-5/4-5/4-5	4-5/4-5
Cyan TxD 5000	7	4-5/4-5/4-5	4-5/4-5/4-5	4-5/4-5/4-5	4-5/4-5/4-5	4-5/4-5/4-5	4-5/4-5
Blue TxD 6000	6	4-5/4/4-5	4-5/4-5/4-5	4-5/4-5/4-5	4-5/4-5/4-5	4-5/4-5/4-5	4-5/4-5
Black TxD 8000	7	4-5/4-5/4-5	4-5/4-5/4-5	4-5/4-5/4-5	4-5/4-5/4-5	4-5/4-5/4-5	4-5/4-5

The following data represents results of internal test performed with the specified ink and fabric. Results in actual end use may vary depending on the particular conditions of use.



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