

# 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



# Sublimation Ink





The next generation of sublimation ink



Kyung-In Synthetic Corporation (KISCO) is the biggest dyestuff manufacturer in Korea. With decades of technical know-how and experience of colorants, KISCO develops and produces inks for digital textile printing to meet increasing market demands. We supply high quality and environmentally friendly products to meet the requirements of customers from around the world.

To print on polyester fabrics without steaming and washing, sublimation printing, also known as transfer printing, is the solution. You firstly print the image onto sublimation paper using Papijet LTI 103 inks and then transfer the image from paper to the polyester fabric. Papijet LTI 103 is a water-based, disperse, eco-friendly ink for digital direct and sublimation printing with the highest transfer yield using a high concentration ink. Papijet LTI 103 shows excellent transferability especially on uncoated paper and exhibits higher color strength than other sublimation inks. It also delivers bright shades with good fastness properties.

**Shades**

Papijet Yellow LTI 103	Papijet Magenta LTI 103	Papijet Cyan LTI 103	Papijet Black LTI 103
			

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



**PAPIJET** | **LTI 203**

# Sublimation Ink

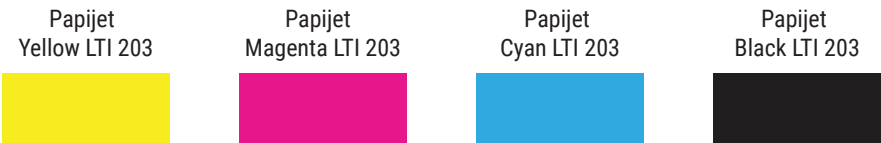
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To print on polyester fabrics without steaming and washing, sublimation printing, also known as transfer printing, is the solution. You firstly print the image onto sublimation paper using PAPIJET LTI203 inks and then transfer the image from paper to the polyester fabric. PAPIJET LTI 203 is a water-based, disperse, eco-friendly ink for digital direct and sublimation printing with the highest transfer yield using a standard concentration. PAPIJET LTI 203 shows excellent transferability especially on coated paper and exhibits higher color strength than other sublimation inks. It also delivers 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)

	Washing	Rubbing	Perspiration	Water	Light (Blue Scale)
	ISO 105 C06:2010	ISO 105 X12:2016	ISO 105 E04:2013	ISO 105 E01:2013	ISO 105 B02:2014
Cyan LTI 203	5	5	5	5	6
Magenta LTI 203	5	5	5	5	7
Yellow LTI 203	5	5	5	5	7
Black LTI 203	5	5	5	5	7

\* Blue Scale Standard is based on the 7-step scale of 1 to 7, where 1 is bad and 7 is good.

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 | LTI 403**

# Sublimation Ink

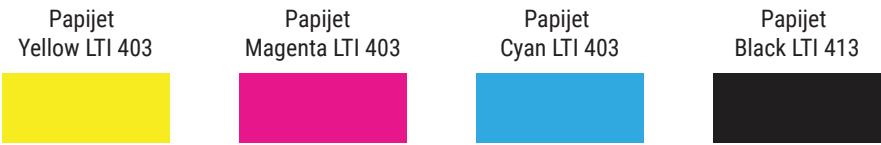
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To print on polyester fabrics without steaming and washing, sublimation printing, also known as transfer printing, is the solution. You firstly print the image onto sublimation paper using Papijet LTI 403 inks and then transfer the image from paper to the polyester fabric. Papijet LTI 403 is a water-based, disperse, eco-friendly ink for digital direct and sublimation printing with the highest transfer yield using a high concentration ink. Papijet LTI 403 shows excellent transferability especially on uncoated paper and exhibits higher color strength than other sublimation inks. It also delivers 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)

	Washing	Rubbing	Perspiration	Water	Light (Blue Scale)
	ISO 105 C06:2010	ISO 105 X12:2016	ISO 105 E04:2013	ISO 105 E01:2013	ISO 105 B02:2014
Cyan LTI 403	5	5	5	5	6
Magenta LTI 403	5	5	5	5	7
Yellow LTI 403	5	5	5	5	7
Black LTI 413	5	5	5	5	7

\* Blue Scale Standard is based on the 7-step scale of 1 to 7, where 1 is bad and 7 is good.

The following data represents results of internal test performed with the specified ink and fabric.  
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# Sublimation Ink

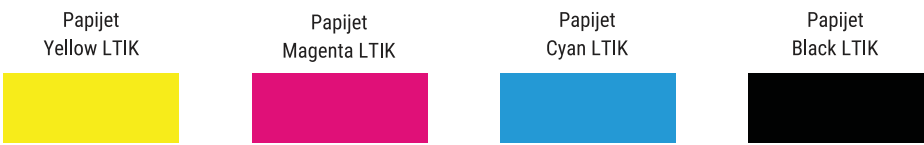
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Papijet LTIK has been developed for transfer sublimation printing and is compatible with Kyocera print heads. It shows excellent runability on all printers equipped with Kyocera KJ4B print heads. It is a water-based, dispersed, eco-friendly ink for digital sublimation printing with the highest transfer yield. Papijet LTIK has outstanding transferability on coated and 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 LTIK	5	4-5	4-5	4-5/4-5	4-5	4-5/4-5
Magenta LTIK	4	4-5	4-5	4-5/4-5	4-5	4-5/4-5
Cyan LTIK	3	4-5	4-5	4-5/4-5	4-5	4-5/4-5
Black LTIK	5	4-5	4	4-5/4-5	4-5	4/4

On Mircrofibre

	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 LTIK	5	4	4	4/4	4	4/4
Magenta LTIK	4	3-4	3-4	4/4	4	3-4/3-4
Cyan LTIK	3	3-4	3-4	4/4	4	3-4/3-4
Black LTIK	4	3-4	3	4/4	4	4/3-4

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**PAPIJET** **TxRK**  
FOR KYOCERA

**PAPIJET** **TxRK 401**  
FOR KYOCERA

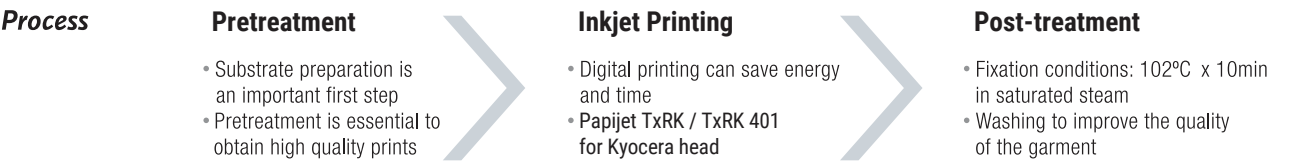
# Reactive Ink

Extremely high performance ink

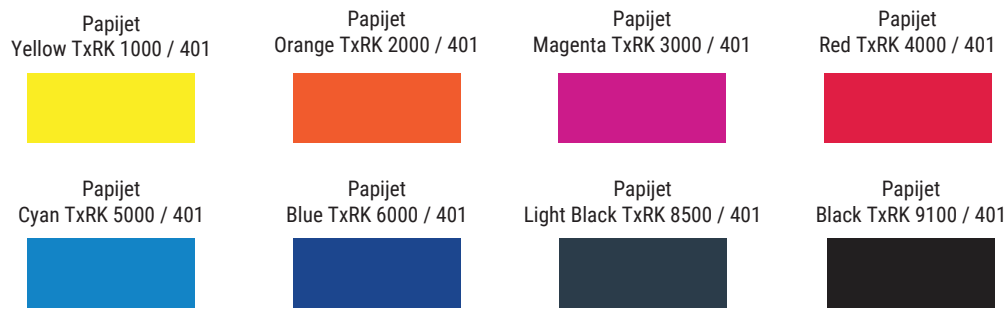


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Based on our extensive knowledge of reactive dyestuffs, KISCO developed reactive inks to illustrate a large color space in digital textile printing for cellulose fibers. The Papijet TxRK series are reactive inks optimized for Kyocera heads, approved by Kyocera and a number of leading printer manufacturers. The ink formulations for all 8 colors of the Papijet TxRK series are designed to present the best runnability. The Papijet TxRK series are ecologically-friendly, water-based, reactive inks with overall good fastness, outstanding fast dry properties, excellent stability and reproducibility.



Shades



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 TxRK 1000 / 401	5	5/5/5	5/5/5	5/5/5	5/5/5	4-5
Orange TxRK 2000 / 401	4-5	5/5/5	5/4-5/5	5/4-5/5	5/4-5/5	4
Magenta TxRK 3000 / 401	4	5/5/5	5/5/5	5/4/5	5/4/4-5	3
Red TxRK 4000 / 401	4-5	5/4-5/5	5/5/4-5	5/4-5/5	4/4-5/5	3-4
Cyan TxRK 4500 / 401	5	4-5/4-5/4-5	5/4-5/4-5	5/4-5/5	5/5/5	3
Blue TxRK 6000 / 401	5	5/5/5	5/5/5	5/5/5	5/5/5	3
Light Black TxRK 8500 / 401	4	4-5/5/5	5/4-5/4-5	5/4/4	5/4/4-5	2-3
Black TxRK 9100 / 401	4	4-5/4-5/5	5/5/5	4-5/4-5/5	5/4-5/5	4

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# Reactive Ink

Extremely high performance ink

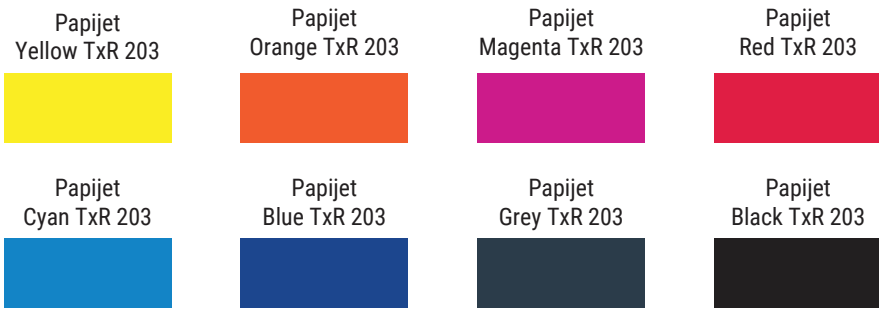


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Based on our extensive knowledge of reactive dyestuffs, KISCO developed reactive inks to illustrate a large color space in digital textile printing for cellulose fibers. The Papijet TxR series are reactive inks optimized for EPSON heads. Each ink passed all Epson standards. The ink formulations for all 8 colors of the Papijet TxR series are designed to present the best runnability. The Papijet TxR series are ecologically-friendly, water-based, reactive inks with overall good fastness, outstanding fast dry properties, excellent stability and reproducibility.



Shades



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

Fastness Properties

	Light	Washing	Water	Perspiration		Rubbing
	ISO 105 B02:2014	ISO 105 C06:2010	ISO 105 E01:2013	ISO 105-E04:2013		ISO 105-X12:2016
				Acid	Alkali	
	Ch	Ch/CO/WO	Ch/CO/WO	Ch/CO/WO	Ch/CO/WO	Dry/Wet
Yellow TxR 203	>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	4/3
Orange TxR 203	>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	4-5/3-4
Magenta TxR 203	>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	4/2-3
Red TxR 203	>4	4-5/4-5/4-5	4-5/4-5/4-5	4-5/4-5/4-5	4-5/3-4/4-5	4-5/3
Cyan TxR 203	>4	4-5/4-5/4-5	4-5/4/4	4-5/3-4/4	4-5/3-4/4	4-5/3
Blue TxR 203	>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	4-5/3
Grey TxR 203	3	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 TxR 203	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	4-5/3

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LED UV Ink  
Extremely high performance ink

- Major application heads : Toshiba, Ricoh etc
- Curing type : UV LED
- Excellent color image
- Excellent jetting reliability



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Based on strong demand from customers of our Papijet Sublimation and Reactive inks, KISCO has developed a new range of UV curable inks designed specifically for UV printers. This is the Papijet UVRT range. Papijet UVRT inks have been formulated with a high pigment load to provide vivid colors that exceed user expectations. The inks are also designed to guarantee the same, outstanding results and high stability from every batch. Papijet UVRT inks have been developed by our R&D teams and are produced using our own raw materials. As a color company with almost 50 years of experience, KISCO understands longevity, quality and the importance of reliable supplies. Papijet UVRT inks are also underpinned by KISCO's commitment to safety and sustainability. The inks are formulated using solvents without any VOCs and are safe for our staff and our customers. Papijet UVRT inks for UV printers are the next generation inks from KISCO, creating colors and chemical solutions.

Shades

Papijet Yellow UVRT	Papijet Magenta UVRT	Papijet Cyan UVRT	Papijet Black UVRT	Papijet White UVRT
				



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Certified  
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ISO 14001  
OHSAS 18001



Sustainable  
Apparel Coalition



