



# WE LOOKING SHARP

**Digital Printing Concept**  
THE SHARPEST PRINT

## GET READY FOR INKJET PRINTING WITH TANAJET™

Fabrics are often not suitable to undergo a digital printing process. With TANAJET, TANATEX experts made sure your fabrics are as Prepared For Digital Printing (PFDP) as you are.

ADDING PASSION  
TO TEXTILES.

# DIGITAL PRINTING CONCEPT

## The sharpest print

SHARPER PRINTS  
BRILLIANT SHADES  
SAVE UP TO 30% ON INK

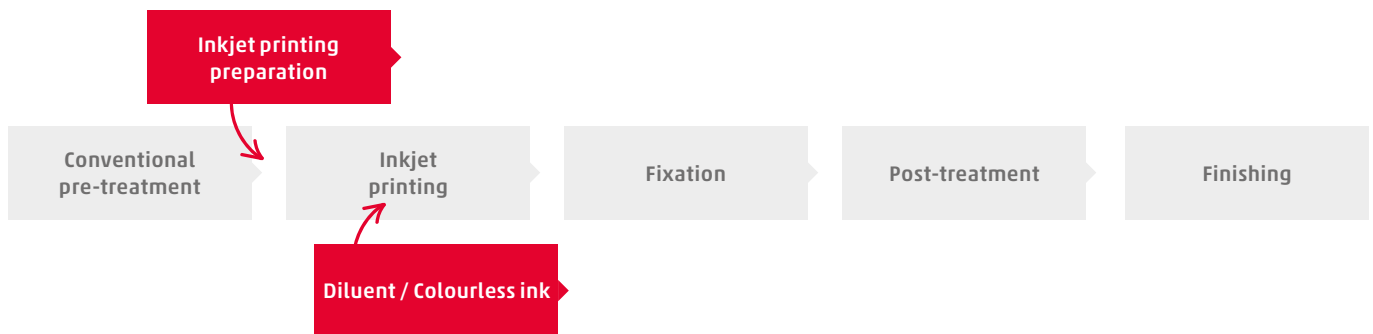


To get to fine inkjet printing results, you need more than ink and machinery. Sharp patterns require a well-executed pre-treatment process, an extra preparation step and the right auxiliaries. This is why we proudly introduce **TANAJET**: the solution that prepares your fabrics for the digital printing process. This way, you take your printed fabrics from "OK" to "absolutely brilliant".

### About the TANAJET range

TANATEX experts created a range of thickeners and migration inhibitors for different substrates and articles. Each product was developed to achieve deep and brilliant shades and good sharpness. To further optimise your printing results, the **TANAJET** range was expanded with products that improve ink fixation, shade depth and colour brilliance.

As technical developments and environmental requirements go further, TANATEX extended its developments including a new ready-to-use concept, a urea-free concept, and a colourless ink (diluent) to give our customers the right solutions on hand for the actual and upcoming requirements.

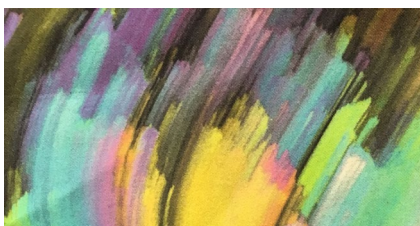


### Why prepare for digital printing?

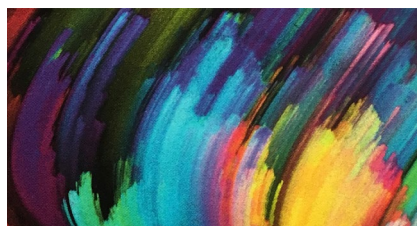
Inkjet printing requires the application of all chemicals in a separate step before ink application. Moreover, the fabrics you work with must be prepared for the digital printing process to avoid problems along the way. If you manage to get both steps right, it improves all of the following:

- Shade depth
- Sharpness
- Penetration
- Fastness
- Fabric handle

### Comparison of inkjet printing results



*Without inkjet preparation*



*With TANAJET inkjet preparation*

Type	Products	Fibre type				
		Cellulosic	Polyamide	Polyester	Wool	Silk
Thickeners & migration inhibitors	TANAJET™ M 4019	•	•	•	•	•
	TANAJET™ A 4100		•		•	•
	TANAJET™ Prep RL	•			•	•
	TANAJET™ Prep MHP	•	•		•	•
	TANAJET™ EP 4034	•	•	•		
	TANAJET™ EP 4038	•	•	•		
Ready to use compound	TANAJET™ Comp UA		•		•	•
	TANAJET™ Comp RL	•			•	•
Shade depth	TANAJET™ Wet R	•			•	•
	TANAJET™ Wet A		•		•	•
Shade depth & Penetration	TANAJET™ Wet PT	•	•	•		
Anti-reducing agent	TANAJET™ Oxi R	•			•	•
Urea replacement	TANAJET™ Fix UA		•		•	•
	TANAJET™ Fix UR	•			•	•
Anti-foam & deaerating auxiliary	TANAJET™ Air NF	•	•	•	•	•
Colourless ink	TANAJET™ Boost ME	•	•	•	•	•

## Thickeners & migration inhibitors



### TANAJET™ A 4100

*Concentrated thickener for inkjet printing preparation with acid inks*

- Suitable for polyamide, silk and wool
- Deep penetration
- Highly concentrated (low recipe costs)



### TANAJET™ M 4019

*Versatile, economic and highly concentrated product*

- For various fibres such as cellulosic, polyamide, silk and polyester
- Outstanding sharpness and colour yield
- Excellent heat stability, no yellowing



### TANAJET™ EP 4034

*Migration inhibitor for inkjet pigment printing*

- Suitable for various fibres and blends
- Low product and preparation viscosity
- Easy miscible with water



### TANAJET™ Prep MHP

*Concentrated thickener for various fibres and different ink chemistry*

- Recommended for high pile fabrics such as carpet and towels
- Suitable for valve jet application
- Flexible penetration



### TANAJET™ EP 4038

*Migration inhibitor for pigment inkjet preparation with high fastness requirements*

- Achieves deep and brilliant shades
- Improved rub fastness level
- Formaldehyde-free
- GOTS, Bluesign, OEKE-TEX 100, ZDHC standard



### TANAJET™ Prep RL

*Easy handling, low viscous migration inhibitor for inkjet preparation with reactive inks*

- Suitable for cellulosic fibres as cotton & viscose
- Easy miscible with water
- Brilliant shades and print sharpness

## Performance improvers



### **TANAJET™ Air NF**

*Anti-foam / deaerating auxiliary*

- Prevents air bubbles during paste preparation
- Improves levelness of the prints



### **TANAJET™ Oxi R**

*Oxidation agent for reactive inks and dyes*

- Prevents unwanted reduction of reactive inks and dyes
- Suitable for inkjet preparation and classical printing pastes



### **TANAJET™ Wet A**

*Shade depth improver for acid inks*

- For printing with acid inks on nylon, silk, wool and their blends
- Improves shade depth and sharpness



### **TANAJET™ Wet PT**

*Penetration auxiliary and shade depth improver*

- Improves penetration of sublimation and direct disperse ink on polyester
- Shade depth improver for acid and pigment inks



### **TANAJET™ Wet R**

*Highly concentrated shade depth improver for reactive inks*

- Increases shade depth and sharpness
- Increases levelness of difficult shades

## Ready to use concept



### **TANAJET™ Comp RL**

*Compound for reactive inkjet preparation*

- Suitable for inkjet reactive printing
- Easy handling, quickly miscible with water
- Low preparation viscosity
- Prints achieve excellent sharpness and colour yield



### **TANAJET™ Comp UA**

*Compound for inkjet preparation for acid inks*

- Urea free
- Ready to use compound, no dilution necessary
- Suitable for polyamide, PA/EL blends, silk etc.
- Low viscous liquid formulation, easy pumpable

## Urea free concept reactive and acid inks



### **TANAJET™ Fix UA**

*Inkjet preparation with acid inks for polyamide, silk and wool*

### **TANAJET™ Fix UR**

*Inkjet preparation for inkjet printing with reactive inks for cotton, viscose or silk*

#### **Advantages of urea free products:**

- Urea can partly or entirely be substituted
- Liquid formulations, easy miscible with water
- No loss in colour yield and brilliancy compared to urea applications
- No urea powder contamination of production facilities and machines
- Less algae formation in tubes and pipelines
- Significant reduction of nitrogen load of effluent
- 100 % nitrogen free

## Diluent / Colourless ink penetration improver



### **TANAJET™ Boost ME**

*Multifunctional colourless ink/booster for inkjet printing*

- Penetration improver for high pile fabrics
- Increases ink fixation
- Suitable for acid, reactive, cationic and disperse inks