



WE LOOKING SHARP

Digital Printing Concept
THE SHARPEST PRINT

**GET PREPARED FOR INKJET
PRINTING WITH TANA[®] JET**

At TANATEX Chemicals we know the textile industry. We understand the complexity of processes, from pre-treatment to finishing.

THESHARPESTPRINT.COM

ADDING PASSION
TO TEXTILES.

TANATEX[®]
CHEMICALS 

DIGITAL PRINTING CONCEPT

THE SHARPEST PRINT

SHARPER PRINTS
BRILLIANT SHADES
SAVE UP TO 30% ON INK



Inkjet printing is booming business. To get to brilliant results, however, you need more than ink and machinery. To put it even more strongly, the success of your end-product highly depends on a well thought-of preparation step that is added to the printing process. This is why we proudly introduce our Digital Printing Concept: the solution to get your printed fabrics from "OK" to "absolutely brilliant".

How does it work

At TANATEX Chemicals, we know that you work according to your own and unique printing methods. So, to get to brilliant results, we developed a preparation range that matches your machinery and processes. We do so by offering a three-way preparation approach:

1 Consulting

In our digital printing laboratory, we create a tailor-made preparation recipe that matches your fabrics.

2 Preparation chemicals

Our specially developed TANA®JET preparation thickeners, migration inhibitors and supporting chemicals help you to improve your inkjet printing results.

3 Additional textile auxiliaries

We offer a wide range of pre- and Post-treatment chemicals and functional finishes that add value to your textiles.

1 Consulting

Fabrics differ, in terms of fibre structure and reactivity. This means you cannot create a one-size-fits-all solution that works for all of them. In our fully equipped digital printing lab, we test even the tiniest of setups and draw up a report to advise you on the possibilities. This process is different every time; the perfect recipe doesn't comply with standard procedures!

Benefits

- ✱ Benefit from the knowledge of our digital printing experts
- ✱ Reduce recipe costs thanks to our highly concentrated products
- ✱ Achieve your requirements from economic to high end quality
- ✱ Improve process efficiency

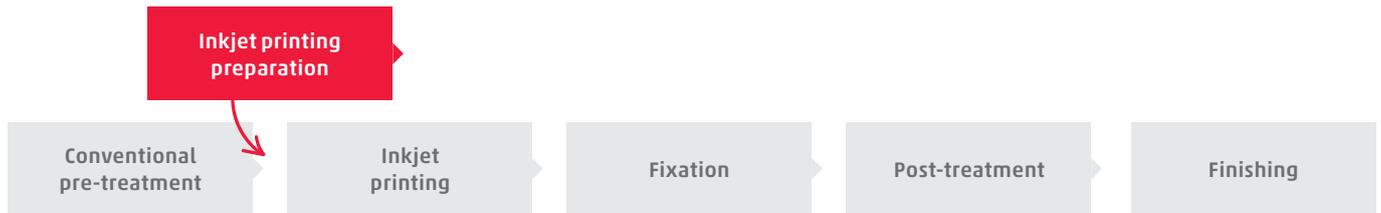
"Fine ingredients alone are not enough. You can buy butter, flour, and apples, but that doesn't guarantee a tasty apple pie"

- Bertin Verhagen, Digital Printing lab coordinator -

2 Inkjet preparation chemicals

Being the world's leading supplier of carpet digital printing auxiliaries, we have what it takes to develop a range of top performing inkjet preparation products. So we turned every fibre upside down and studied their reactions to different chemicals. After analyzing hundreds of samples our printing experts defined exactly how a range of preparation chemicals should look like:

- * A versatile range of migration inhibitors and thickeners for various substrate types.
- * High performance products that improve ink fixation, shade depth and colour brilliancy.
- * A tailor-made system that can be applied easily in your printing setup.



Performance

Inkjet printing requires the application of all chemicals in a separate step before ink application. Together, these products help you get the best out of your inkjet printer. They do not just ensure better ink fixation, but also improve: shade depth, sharpness, penetration, fastness & fabric handle.

Comparison of inkjet printing results



Without inkjet preparation



With TANA®JET inkjet preparation

Type	Products *	Fibertype				
		Cellulosic	Polyamide	Polyester	Wool	Silk
Thickeners & migration inhibitors	TANA®JET M 4003	*	*	*		*
	TANA®JET M 4019	*	*		*	*
	TANA®JET A 4100		*		*	*
	TANA®JET D 4201			*		
Penetration Shade depth Sharpness	TANA®JET Wet R	*				
	TANA®JET Wet A		*			
	TANA®JET Wet PT	*		*		
Anti-reducing agent	TANA®JET Oxi R	*			*	*
Fixation accelerator	TANA®JET Fix U		*		*	*
Defoamer & deaerator	TANA®JET Air NF	*	*	*	*	*

* M, A and D stand for Multiple, Acid or Disperse ink.

TANA®JET - Thickeners & migration inhibitors

Below you can find detailed information about thickeners & migration inhibitors.



TANA®JET M 4003

Easy handling migration inhibitor for different articles and substrates with low viscosity and easily miscible with water.



TANA®JET A 4100

Thickener for acid printing on polyamide, silk, wool and their blends that is suitable for screen or coating application.



TANA®JET M 4019

Versatile and highly concentrated product for different articles and substrates to achieve excellent sharpness and deep shades.



TANA®JET D 4201

Thickener for disperse printing on polyester including pile and thicker nylon fabrics. Suitable for screen or coating application.

3

Textile auxiliaries

TANATEX Chemicals is a leading supplier of pre- and post-treatment chemicals and functional finishes. A complete toolbox of textile auxiliaries to further improve the quality of your inkjet printing process is just one phone call away.

Classical pre-treatment

In order to get a textile fabric prepared for printing pre-treatment is necessary and comprises different steps, depending on fibre type and end use. Generally, textiles are desized, bleached, whitened and/or scoured before they are printed.

Pre-treatment	
TANA [®] ZYM	Full range of products for desizing and enzymatic treatment
TANNEX [®]	Powerful range of bleaching stabilizer to answer to ecological requirements. Mineral technology is offered.
TANEDE [®]	Detergents for bleaching process
BLANKOPHOR [®]	Well-known range of optical whitening agents
DIADAVIN [®] TANATERGE [®]	Especially developed detergents for all type of fibres and impurities
SPANSCOUR	Yellowing inhibitors
ERKANTOL [®]	Pure wetting agents specially for discontinuous and continuous processes
TANASPERSE [®]	Special dispersing agents for cleaning applications
TANACID [®]	Special neutralizing agents

Post-treatment of inkjet printed textiles

To eliminate chemical residues such as alkaline, acid, and thickeners, post-scouring is needed. For this process step, we recommend to use chemicals with good dispersing and sequestering effects. In some cases, an additional fastness improvement is necessary.

Post-treatment	
TANATERGE [®]	Especially developed detergents for all type of fibres and impurities as well as for continuous and discontinuous processes
PLEXENE [®]	Sequestering, dispersing and complexing agents for all type of textile applications
MESITOL [®]	Range of fastness improvement products for acid and metal complex dyes/inks
TANA [®] FIX	Range of fastness improvement products for direct and reactive dyes/inks
TANEDE [®]	Agents with various properties as oxidizing, reducing etc.

Functional finishing

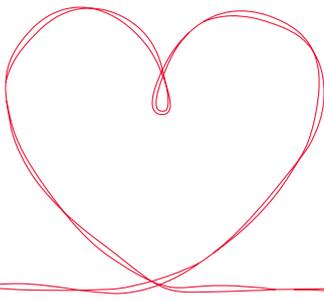
Today, an increasing amount of textile products have an extra function. TANATEX offers a big variety of finishes to add performance optimisers to your textiles.

Functional finishing	
PERSOFTAL [®]	A full range of softeners, based on silicones, fatty amides, PE and blends
BAYSCENT [®] TANA [®] PUR	Our range of micro-encapsulated products, containing famous fragrances, essential oils and pure high quality cosmetic ingredients
LAVA [™]	A new generation of odour management, without using biocides. Lava mineral based
BAYGARD [®]	Both C6 FC and PFC-free based products for excellent, sustainable repellency
TANA [®] PUR	A new range of highly elastic, hydrophilic and permanent PU finishes to improve the quality of your textiles. Examples are upgrading in respect to stretch & recovery, moisture management, anti-pilling, haptics etc.
FLAMEGARD	Range of flame retardant products



Want to learn more about improving digital printing results?

Visit [THESHARPESTPRINT.COM](https://www.thesharpestprint.com) and download our white paper "Design it- Printing- getting started with inkjet printing".



*We believe that with our passion we can change the textile world.
We improve experiences and make new experiences possible.*

About TANATEX

TANATEX Chemicals breaks new ground with ultramodern textile processing solutions, ranging from pre-treatment to finishing. Through a global network of offices, agencies and distributors, we support our customers worldwide with advanced top quality wet processing products and a high level of technical and tailormade service. For almost 60 years we have proven to be a trustworthy and innovative associate. Since 2016 we are proud partner of Transfar Chemicals.

Our cutting-edge products are based on the latest trends and demands in today's (technical) textiles and carpet processing industry. We do not sell mere products; we offer fit-for-purpose solutions. With an eco-friendly way of thinking, TANATEX experts are the ones to watch.

Do we have your attention?

Our global team of experts is all set to offer you a tailored approach. Contact our head office in Ede to schedule an appointment.

