Post-treatment of inkjet printed textiles

In order to achieve optimal colors on all substrates, thickener etc. a post-treatment needs to be done. At the same time, often a neutralization of the textile is needed. Unfixed dyes/inks, migration inhibitors or thickeners need to be removed. Good dispersing and sequestering effect is required. Additionally white ground needs to be eliminated. Sometimes a fastness improvement is necessary.

Post-treatment

TANA®FIX
Especially developed detergents for all type of dyes and impurities as well as for continuous and discontinuous processes.

PLEX®
Sequestering, dispersing and complexing agents for all type of textile applications.

MSUIT®
Range of fastness improvement products for acid and metal complex dyes/inks.

TANA®POS
Range of fastness improvement products for direct and reactive dyes/inks.

TANEDE®
Agents with various properties as oxidizing, reducing etc.

Functional finishing

Often special effects are required on textiles. TANATEX offers a big variety of products to achieve effects as:

- water repellency
- soft handle
- scenting
- flame resistance

Functional finishing

RESORT®
A full range of softeners, based on silicones, fatty amides, PE and blends.

ARH®
A full range of micro-encapsulated products, containing aromatic fragrances, essential oils and high quality cosmetic ingredients.

AHR®

BAYPUSH®
Both in 51 and 51-free based products for excellent, sustainable repellency.

SINA®
A range of highly active, synthetic and permanent products to improve the quality of your textile. Examples are upgrading in respect to stretch & recovery, moisture management, anti-pilling,apture etc.

FLAMGARD®
Range of fire retardant products.

Tel.: +31 (0)318 67 09 11    |    info@tanatexchemicals.com    |    TANATEXCHEMICALS.COM
DIGITAL PRINTING CONCEPT

The sharpest print
At TANATEX Chemicals we know the textile industry. We understand the complexity of processes, from start to finish.

TANATEX Chemicals develops, produces and sells textile processing solutions for all parts of textile processes. For inkjet applications, we provide a wide range of products for pre-treatment, inkjet preparation, post-treatment and finishing of all kinds of fibres. Our TANA®JET range is the result of our experience in the different textile segments, new applied to inkjet printing.

At TANATEX we understand the needs of our customers.
- We make your life easier
- Offer you complete concepts to achieve optimum results

We want to:
- share our knowledge with you
- develop customized solutions for all type of fibres
- reduce your recipe costs with high concentrated products
- share our knowledge with you
- offer you complete concepts to achieve optimum results

The process
When you compare classical printing to inkjet printing, the last needs one additional treatment step, the preparation step.

Example 1
The examples show that textiles need to be pre-treated for inkjet to ensure perfect ink fixation. But also other parameters are influenced by our inkjet printing products.

Example 2

The examples show that textiles need to be pre-treated for inkjet to ensure perfect ink fixation. But also other parameters are influenced by our inkjet printing products.

Supporting TANATEX products
Furthermore we offer additional products to:
- improve shade depth or penetration
- protect reactive inks
- guarantee ink fixation
- prevent stain and/or oil build-ups

TANATEX offers products for the whole process chain of textile printing.

Classical pre-treatment
Pre-treatment comprise different steps, depending on fibre, article, end-use etc. During pre-treatment textiles are:
- scoured,
- bleached, whitened and/or stripped off.
- desized, hardness, lignin, seeds and pectin need to be removed.
- For subsequent colouration processes.

But is this step really necessary?
Yes, let us look at some examples.

Example 1
Thickeners and/or migration inhibitors are needed to prevent bleeding of the ink.

Example 2
Comparing of inkjet printing results without and with pre-treatment.

Without digital preparation

With TANATEX digital preparation

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The process

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Products

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<th>Plastic</th>
<th>Wool</th>
<th>Silk</th>
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| TANAPER 50 | • | • | | | |
| TANAPER 50 D | • | • | | | |
| Anti-reducing agent
| TANAPET 50 B | • | • | | | |
| Fastness stabilizers
| TANAPET 50 F | • | • | | | |
| TANAPET 40 F | • | • | | | |

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