

Digital Reactive Printing

TUBIJET R – Product Portfolio, Process and Recipe

CHT
SMART CHEMISTRY
WITH CHARACTER.

TUBIJET R – MORE DETAILS!

TUBIJET SHARP R 101

Emulsified antimigration agent

Product features:

- Outstanding sharpness of prints
- Brilliant and dark shades
- Low costs

TUBIJET DU 02

Dissolved antimigration agent

Product features:

- Brilliant and dark shades
- Improved sharpness of prints
- Soft handle

Urea

Moisture-regulating substance

Features:

- Supports the steaming process
- Important for the fixation of cyan

RAPIDOPRINT XR GRANULAT

Mild oxidising agent

Product features:

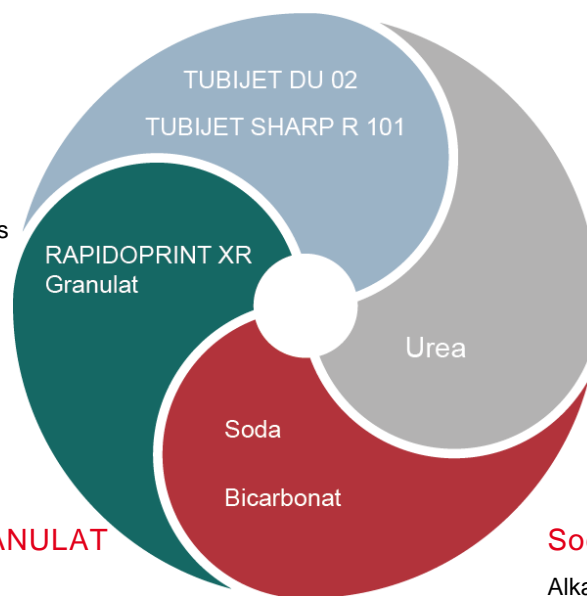
- Protection of the reactive dye
- Prevents reduction of the dye
- Important for deep blacks

Soda / Bicarbonate

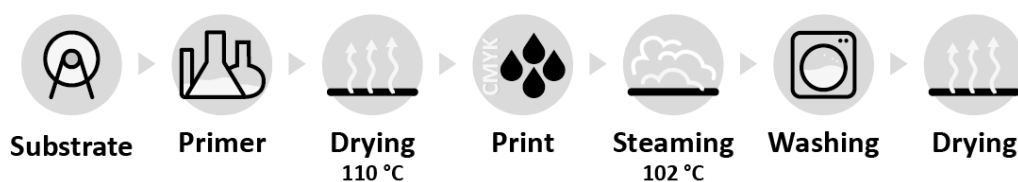
Alkali buffer

Features:

- Fixation of the dye
- Increases the dye yield



PROCESS



The **PERFECT ADDITION** for established textile companies. Use the new digital possibilities of the inkjet printing with the already existing machinery.

Enables printing of **UNLIMITED DESIGN** on cotton, viscose and modal fibers. For optimum results, good quality yarns and thorough pre-treatment of the fabric are essential. Effective singeing, washing and bleaching process are the basis for outstanding digital reactive prints.

Our **WATER-BASED** TUBIJET R primer form a homogenous ink receptive layer that prevent penetration of the ink into the substrate. This leads to a significant improvement of the color depth and the brilliance of the prints.

Our **INTEGRATED SOLUTION** of TUBIJET primer and **BEZAJET** inks offers you everything you need for flawless printing results.

After printing comes the steaming process. Now the **INK MIGRATES** into the fiber and is fixed by a chemical bonding. With the right amount of soda and bicarbonate this chemical reaction is significantly enhanced. Urea supports the steaming process by facilitating the migration and fixation of the dye due to its moisture regulating effect. Through an optimized afterwash process you remove the unfixed dye without soiling.

Products of the TUBIJET R series are developed **IN ACCORDANCE WITH** OEKO-TEX®, GOTS 5.0, bluesign® and Zero Discharge of Hazardous Chemicals (ZDHC). They are free of alkylphenol ethoxylates (APE), formaldehyde, adsorbable organic halides (AOX) or heavy metals like tin.

If you have questions, please **CONTACT Us!**
We gladly support you with our technical know-how and our experience.

RECIPE RECOMMENDATIONS

Recipe 1:

TUBIJET DU 02	125 g/l
RAPIDOPRINT XR GRANULAT	10 g/l
Urea*	100 g/l
Bicarbonate	40 g/l
Soda	5 g/l

*For viscose we recommend 200 g/l

Recipe 2:

TUBIJET DU 02	40 g/l
TUBIJET SHARP R 101	15 g/l
RAPIDOPRINT XR GRANULAT	10 g/l
Urea*	100 g/l
Bicarbonate	40 g/l
Soda	5 g/l
RAPIDOPRINT SC 10	1 - 2 g/l

*For viscose we recommend 200 g/l

Afterwashing:

COTOBLANC STM	1 - 3 g/l	30 °C
COTOBLANC STM	1 - 3 g/l	100 °C
Soft water*		60 - 80 °C
Acetic acid 30 %		30 °C

*If no soft water is available we recommend adding 1 - 2 g/l

MEROPAN DPE



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