ECO DYEING

TEXAMIN ECE new - Cationization of natural fibers

Preactivation before reactive dyeing

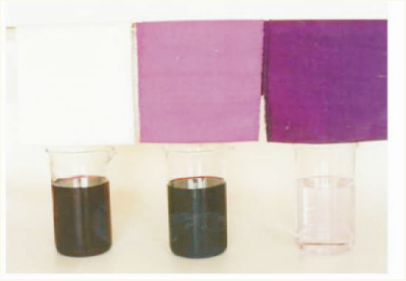
INCREASED ANIONIC DYES AFFINITY

- ✓ Less salt/Salt free - easy water reuse (No desalination)
- ✓ Higher dyes utilization
  - Significantly higher dyebath yield
- ✓ Deep shades unattainable by conventional dyeing process
- ✓ Special colouristic effects (differential dyeing, vintage,..)
- ✓ Shortening of Wash-out step
- ✓ Reduction of waste-water pollution

Reduction of costs

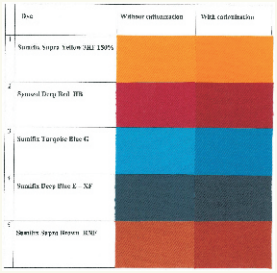
less consumption of:

- water
- dye
- energy
- time



Before dying *Non modified* *Cationized substrate*

Increased depth of shade



+ TEXALKON MS

- precize buffer

Optimized dyeing process with reactive dyestuffs electrolyte / alkali calculation

Process: **1. Pre-cationization** (jigger, PAD-BATCH, PAD-DRY)

2. Dyeing exhaust (jigger, drum machine), PAD-BATCH, PAD-STEAM, PAD-DRY

„Wash-out" effects – garment processing

***Cationization* of WOOL**

- Differential dyeing (combed top, yarn,..)
- Antifelting effect, dimensional stability (chlorine free alternative)

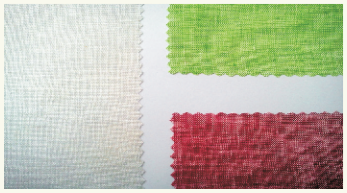
Partially cationized woven structures
cationized warp x non cationized weft

Cationization by printing

Differential dyeing

Effect based on different dyeability by Reactive dyes:

- **tone in tone**
- **white x coloured (by 0 salt dyeing)**



Weft yarn cationized

GreenScreen Certified™ silver certificate from Clean Production Action, Inc. (USA)

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Certificate Number

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Expiration Date

GSC2021_009
Application Number

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