

DEEP DIVE

A complete system for maximum coloration efficiency with enhanced fastness, and dramatically reduced use of water, chemicals and energy

THE ARCHROMA WAY TO A SUSTAINABLE WORLD

DEEP DIVE / Performance components of the system

Blue Magic

"All-in-one" discontinuous pretreatment

- Less fibre damage
- High degree of whiteness
- The standard rinsing process, which follows bleaching, can be reduced or omitted
- Biodegradable*. Free from APEO (alkylphenol ethoxylates) and phosphorus

Cyclanon® XC-W New liq

Unique soaping agent

- Fast & efficient removal of hydrolyzed dye
- Less washing baths
- Optimum fastness



Drimaren® Ultimate HD

Reactive dyes

- Powerful build-up to achieve deep shades
- Less dye and chemicals are required to achieve the desired shade
- Highly compatible to improve RFT
- Reduced coloristic cost – Optimized recipe and dyeing procedure

Siligen® EH1 liq

Hydrophilic biomass-based silicone softener

- Hydrophilic silicone MACRO emulsion produced with high amount of biomass based raw materials
- Excellent hydrophilicity giving a soft handle to the substrate
- Can be applied by both pad and exhaust procedures
- It can be considered as non yellowing, either thermal or phenolic

* Below limits of detection according to industry standard test methods

DEEP DIVE / Main benefits in a nutshell

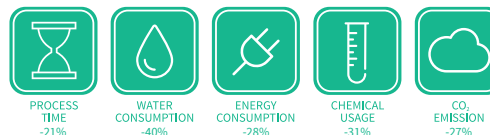
- Safe products from a reliable global partner who applies international safety standards
- Increases profitability through lower processing & operating costs
- A short and robust system approach:
 - Right-first-time productivity
 - Improved fabric quality. Less pilling due to reduced mechanical abrasion
 - Improved resource optimization in terms of water & energy
 - Shorter production process allows for 145 additional batches/year
- Dry and wet rubbing fastness improvement
- Differentiation with improved resource utilization for brands that demand and drive sustainable production

'SAFE' WITH: Archroma's DEEP DIVE



SAFE

'EFFICIENT' WITH: Archroma's DEEP DIVE compared to benchmark exhaust process for 100% CO substrates at LR 6.1



EFFICIENT

'ENHANCED' WITH: Archroma's DEEP DIVE system



ENHANCED

CASE STUDY: Chinese customer, wine shade, jet machine, 300 kg cotton knit, LR 6:1

THE ARCHROMA WAY TO A SUSTAINABLE WORLD / Safe + Efficient + Enhanced = The Ultimate Collection



SAFE – IT'S OUR NATURE TO PROTECT

A solid core: Our deeply rooted goal to protect people and our planet. Safe to use, safe to release and also safe to wear.

EFFICIENT – IT'S OUR NATURE TO RETHINK SUSTAINABLE MANUFACTURING

Innovating application processes that minimize resources and maximize productivity, both in our and our customers' manufacturing as well as by setting ourselves ambitious sustainability goals.

ENHANCED – IT'S OUR NATURE TO ADD ANOTHER LEVEL OF VALUE

Innovation is critical. With it, we create additional effects, functionalities and aesthetics and sustainable differentiation to bring additional value, helping consumers to achieve their goals, for a life enhanced.

www.archroma.com

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CERTIFIED TO
SE EN ISO 9001:2015
SN EN ISO 14001:2015
SN EN ISO 45001:2018

For additional technical service and/or laboratory assistance, contact your local Archroma representative.

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