

EVOLUTION BLACK

A groundbreaking black coloration system for authentic black denim effects and beyond with a dyestuff that is cleaner than ever before

THE ARCHROMA WAY TO A SUSTAINABLE WORLD

EVOLUTION BLACK / Performance components of the system

Diresul® Evolution Black liq

Groundbreaking Black denim

- Exclusive sulfur black technology with outstanding resource savings in dye manufacture.
- Unique shade and wash-down behavior compared to standard black providing new, innovative aesthetics
- Especially recommended for dark black shades, with no bronzing effect



Highly compatible dyeing auxiliaries

Reducing Agent D p – biodegradable reducing agent

Leonil® EHC liq c – anionic wetting agent

Direfix® GPF liq

Booster for smooth & clean oxidation

- Catalytic solution that works in combination with Hydrogen peroxide for the full shade development of **Diresul® RDT** dyes and cleanest oxidation system in the market

Optifix® E50 liq

Enhances color fixation and cleaner effluent

- Strong bi-cationic fixing agent, especially for sulfur dyes fixation that increases wet fastness properties and works synergistically with the oxidation system

Optifix® RUB liq [optional]

Crocking fastness improver for raw black fabrics

- Formaldehyde free crocking fastness improver with minimal influence on hand feel

EVOLUTION BLACK / Main benefits in a nutshell

- Safe products from a reliable global partner who applies international safety standards
- PCA and Aniline free system
- Massive reduction on water consumption from dyestuff to fabric and less charged effluents
- Delivers consistent result for premium quality
- Variety and new wash-down effects
- Controlled and safe chemistry for the end consumer
- Embracing sustainable production & lower impact clothing
- Industry leading technology

'SAFE' WITH:

Archroma's EVOLUTION BLACK system



RESTRICTED AMINE FREE*



6ZDHC COMPLIANT



bluesign® APPROVED



REACH REGISTERED

SAFE

'EFFICIENT' WITH:

Archroma's EVOLUTION BLACK system vs. benchmark black denim



WATER CONSUMPTION -84%¹



ENERGY CONSUMPTION -12%



CO₂ EMISSION -12%

EFFICIENT

'ENHANCED' WITH:

Archroma's EVOLUTION BLACK system



FASHION EFFECTS



PREMIUM QUALITY



PLANET-CONSCIOUS



WATER-CONSCIOUS



HEALTH-CONSCIOUS



INDUSTRY LEADING

ENHANCED

CASE STUDY: Italian Customer, Slasher range

* Below limits of detection according to industry standard test methods

¹ 99% water saving and zero residues at the dyestuff manufacturing step compared to standard sulfur black dye synthesis (considering water needed in production and in wastewater treatment for salt dilution).
27% savings at the denim textile mill (As demonstrated by ONE WAY Impact Calculator.
CASE STUDY: Italian Customer, Slasher range. Compared to benchmark black dyeing process)

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 safe to touch and 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.

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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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