

NOW SUITABLE
FOR ALL FIBERS
(Including FR blends)

TOUGH CAMO

A waterless and formaldehyde-free* pigment printing system allowing easy-to-adjust infrared reflection for highly durable military wear



* Below limits of detection according to industry standard test methods.
Not intentionally added

THE ARCHROMA WAY TO A SUSTAINABLE WORLD

TOUGH CAMO / Performance components of the system

Helizarin® Ultra-Fast pa

Ready to use print paste

- High durability - high levels of wet contact, wash and rub fastness
- Soft film formation
- Robust runnability
- High film transparency and high yield

Helizarin® Ultrafast Supreme pa

Ready to use print paste

- High durability - high levels of wet contact, wash and rub fastness
- Soft film formation
- High film transparency
- Formaldehyde-free*

Printofix® T & TF

High quality pigment dispersions

- High stability
- Non-infrared reflection combinations
- Wide shade range
- Formaldehyde-free*



Helizarin® SF liq

Binder

- PU binder
- Excellent runnability
- Improves handfeel and abrasion resistance
- Formaldehyde-free*
- In combination with the Helizarin® Ultra-Fast paste, produces the same or better fastness than those printed with dye-based systems.

Luprintol® Soft VSN liq

Softener

- Improves the feel of the fabric
- In combination with the Helizarin® Ultra-Fast paste, produces the same feel as a vat/disperse printed fabric

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TOUGH CAMO / Main benefits in a nutshell

- Achieves better fastness and hand feel than vat/disperse dyes prints
- Easier to handle:
 - Print pastes preparation
 - Matching shades with Printofix® range
 - Easy IR matching
 - Excellent repeatability batch to batch
 - Longer storage stability of printing pastes
- Reduces significantly water and energy consumption and therefore clearly better carbon footprint and less wastewater impact
- Simpler supply chain
- High durability - high levels of wash and rub fastness
- Differentiation with improved resource utilization and less pollution for brands that demand and drive sustainable production

'SAFE' WITH:

Archroma's TOUGH CAMO system



SAFE

'EFFICIENT' WITH:

Archroma's TOUGH CAMO system, for FR/CEL blends compared to benchmark discharge printing



EFFICIENT

'ENHANCED' WITH:

Archroma's TOUGH CAMO system



ENHANCED

CASE STUDY: Customer in the UK

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** Savings on process time up to 50% when more traditional fiber blends e.g. PA/CEL or PES/CEL

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 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.

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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