

## TOUGH CAMO

Easy adjustment of infrared reflective pigment printing system for military wear with high durability and drastically reduced water consumption



THE ARCHROMA WAY TO A SUSTAINABLE WORLD

## TOUGH CAMO / Performance components of the system

### Helizarin® Ultra-Fast paste

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

### 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



### Printofix® TF

#### High quality pigment dispersions

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

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

# TOUGH CAMO / Main benefits in a nutshell

- Safe products from a reliable global partner who applies international safety standards
- 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
- Simpler supply chain
- Significantly reduces water and energy consumption
- Lower carbon footprint and less wastewater
- 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 with PES/CO camouflage printing



SAFE

## 'EFFICIENT' WITH:

Archroma's TOUGH CAMO system, with PES/CO camouflage printing vs. benchmark printing with disperse/vat dyes



EFFICIENT

## 'ENHANCED' WITH:

Archroma's TOUGH CAMO system



ENHANCED

CASE STUDY: Colombia customer, polyester cotton camouflage printing

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

## 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.

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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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