

## 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

## 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.

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

## 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:

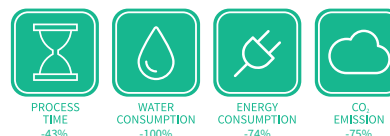
PES/CO camouflage printing system with TOUGH CAMO



SAFE

### 'EFFICIENT' WITH:

PES/CO camouflage printing system with TOUGH CAMO vs. benchmark printing with disperse/vat dyes



EFFICIENT

### 'ENHANCED' WITH:

Archroma's TOUGH CAMO system



ENHANCED

CASE STUDY: Colombia customer, polyester cotton camouflage printing

[www.archroma.com](http://www.archroma.com)

## ARCHROMA MANAGEMENT LLC

Brand & Performance Textile Specialties  
Neuhofstrasse 11, 4153 Reinach  
Switzerland

[bptmarketing@archroma.com](mailto:bptmarketing@archroma.com)

CERTIFIED TO  
ISO 9001  
ISO 14001  
OHSAS 18001

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

This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. Archroma makes no warranties, express or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of Archroma's products for its particular application. \* Nothing included in this information waives any of Archroma's General Terms and Conditions of Sale, which control unless it agrees otherwise in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing Archroma products, are available upon request and are provided in compliance with applicable law. You should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact Archroma. \*For sales to customers located within the United States and Canada the following applies in addition: NO EXPRESS OR IMPLIED WARRANTY IS MADE OF THE MERCHANTABILITY, SUITABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE OF ANY PRODUCT OR SERVICE.

\* Trademark of Archroma registered in many countries  
© 2020 Archroma