



  
**GREENWEAR**

**WEAR FABRICS  
RESPONSIBLY  
PRODUCED**



**QUALITY THAT WORKS**



# **WEAR FABRICS RESPONSIBLY PRODUCED.**



**THIS IS THE FIRST STEP TO « BE PART OF THE  
CHANGE WE WANT TO SEE IN THE WORLD ».**

**FACING THE REALITY THAT RESOURCES WILL BECOME INCREASINGLY SCARCER AND THAT THE POPULATION WILL CONTINUE TO GROW, THE TEXTILE INDUSTRY MUST FACE THE FACT THAT SOMETHING HAS TO CHANGE.**



1

At Klopman, we aim to reduce our impact on the environment every day, with **MORE AND MORE EFFICIENT PRODUCTION** systems and by promoting solutions that can truly change the market, step by step. Our R&D departments and our production engineers constantly work towards minimising toxic substances, finding alternatives for existing raw materials, waste reduction, reduction of energy use and employing renewable energies.

**PRODUCTION EFFICIENCY = LESS WASTE OF RESOURCES**

2

We're more committed than ever to **PRODUCING FABRICS THAT LAST**. Designing and producing clothes of higher quality is the first rule that a fabric producer should keep in mind. It's the first and most important way to be sustainable. Extending product lifespans, especially in the workwear industry, is mandatory: the more times a garment can be worn means less production and less consumption.

**MORE DURABLE FABRICS = LESS PRODUCTION = ENVIRONMENTAL FRIENDLY**

3

At Klopman, we believe there is still much we can do. This is why we promote fabrics made with more sustainable material. All our fabrics can be created with **RECYCLED POLYESTER, ORGANIC COTTON, FAIR TRADE COTTON, FIBRES MADE FROM WOOD PULP AND ALL SKIN-FRIENDLY ACCORDING TO OEKO-TEX® CLASS 1**.

Our Greenwear fabrics maintain Klopman's **high quality standards in terms of comfort, image and durability**, while increasing sustainability and respect for the environment.

**CHOOSE SUSTAINABLE RESOURCES**

The background of the image consists of several horizontal rolls of fabric, stacked on top of each other. The fabric has a fine, woven texture. The colors of the fabric rolls transition from a light, lime green at the top to a dark forest green at the bottom. The lighting is even, highlighting the texture of the fabric.

**OUR MISSION IS TO IMPROVE  
THE QUALITY OF LIFE  
AND PROTECTION OF PEOPLE  
WITH INNOVATIVE  
SUSTAINABLE FABRICS.**

# ECO-FRIENDLY SOLUTIONS





# FABRICS MADE WITH RECYCLED POLYESTER

Polyester is now the largest single fibre group used for workwear and uniforms worldwide. We produce fabrics using **high-quality recycled yarn** made from recycled materials such as plastic bottles.

Using PET clear plastic bottles as the raw material means making ethical, sustainable use of thousands of tonnes of waste plastic which might otherwise end up in landfill. Fabrics made with recycled polyester maintain all the performance characteristics you would expect from Klopman workwear fabrics. They also help us work towards a more sustainable world and demonstrate real respect for our environment.

## THE PROCESS



RECYCLED  
BOTTLES ARE  
COLLECTED,  
WASHED  
AND CHOPPED  
INTO BOTTLE  
FLAKE



BOTTLE  
FLAKE IS  
MELTED  
AND  
FORMED  
INTO CHIPS



CHIPS ARE  
MELTED AND  
EXTRUDED  
INTO  
RECYCLED  
FIBRE



FIBRE IS  
MADE INTO  
PRODUCTS  
WE USE AND  
WEAR



# Look what a fabric made with recycled polyester can do for the environment.

In comparison with virgin polyester, recycled polyester reduces energy and water consumption and greenhouse gas emissions\*.



RECYCLES PLASTIC BOTTLES THAT WOULD OTHERWISE GO INTO A LANDFILL. IT CAN

**TAKE 1000 YEARS**

FOR A PLASTIC BOTTLE TO BIODEGRADE



REDUCES ENERGY CONSUMPTION BY

**OVER 45%**

VS VIRGIN POLYESTER



REDUCES WATER CONSUMPTION BY

**NEARLY 20%**

VS VIRGIN POLYESTER



REDUCES GREENHOUSE GAS EMISSIONS BY

**OVER 30%**

VS VIRGIN POLYESTER

\* data based on REPREEVE® Unifi, Inc. manufacturing process



TENCEL

# FABRICS WITH TENCEL®

Klopman has a **portfolio of different fabrics made with TENCEL®**, a functional fibre with a **natural origin, extracted from wood**.

**TENCEL®** is a new generation of lyocell fibres made from the wood pulp of eucalyptus trees.

The fibre is environmentally friendly, **based on the recycling and reuse of chemicals from the production process**, an economical use of energy and water, and **FSC systems** that ensure all wood comes from sustainable forests.

The combination of **TENCEL®** and polyester offers enhanced durability, making professional clothing extremely hard-wearing and increasing the service life of the garment.

1. Forest



2. Wood



3. Pulp



4. Tencel®



5. Fabric





# FABRICS MADE WITH ORGANIC COTTON

A conscious choice you can make when buying fabrics includes **THE TYPE OF COTTON USED IN THEIR MANUFACTURE.**

Cotton covers 2.5% of the world's cultivated land but uses 16% of the world's pesticides (including herbicides, insecticides and defoliants). The chemicals used in cotton processing pollute the air and surface waters, resulting in decreased biodiversity and unbalancing the equilibrium of ecosystems, and may have negative effects when absorbed by people's skin.

Buying organic cotton means purchasing fibres untouched by synthetic agricultural chemicals such as fertilisers or pesticides. The result and benefits are tremendous: from promoting and enhancing biodiversity and biological cycles, to caring for the farmers who produced the raw material and, at the end of the cycle, taking care of the final wearer with a safer, more sustainable solution.

At Klopman, we use traceable international standards for purchasing our organic cotton. The result is sustainable fabrics with the usual high level of performance clients expect from Klopman.





# FABRICS MADE WITH BETTER COTTON INITIATIVE COTTON

Klopman supports the **BETTER COTTON INITIATIVE (BCI) TO GUARANTEE CONTINUOUS IMPROVEMENT FOR THE ENVIRONMENT, FARMING COMMUNITIES AND THE ECONOMIES OF COTTON.** It is a holistic approach to sustainable cotton production which covers all three pillars of sustainability: environmental, social and economic.

The Better Cotton Initiative exists to make global cotton production better for the people who produce it, better for the environment it grows in and better for the sector's future, by developing Better Cotton as a sustainable mainstream commodity.

The BCI has made significant progress in making Better Cotton a mainstream commodity, with 1.3 million BCI farmers growing 3.3 million metric tonnes of Better Cotton in 2017, in 21 countries. That is 14% of global cotton production. It is targeted to reach 30% by 2020.





# FABRICS MADE WITH FAIRTRADE CERTIFIED COTTON

Blended fabrics using 100% Fairtrade certified cotton meet Fairtrade standards validated by Fairtrade (as audited by FLOCERT). Buying products made from Fairtrade cotton guarantees the farmers receive a fair and stable price for their cotton, ensuring a better livelihood for their families. **KLOPMAN'S RANGE OF FABRICS MADE WITH FAIRTRADE COTTON OFFERS THAT HIGH LEVEL OF QUALITY AND PERFORMANCE OUR CUSTOMERS HAVE COME TO EXPECT.**

Cotton farmers in developing countries, including leading producers like India and China, live in hardship. As many as 100 million households are directly engaged in cotton production. An estimated 300 million people work in the cotton sector when family labour, farm labour and workers in ancillary services such as transportation, ginning, baling and storage are taken into account. For farmers, the challenges range from the impact of climate change and poor prices for seed cotton, through to competition from highly subsidised producers in rich countries and poor terms of trade.

Fairtrade cotton was launched to put the spotlight on these farmers who are often left invisible, neglected and poor at the end of a long and complex cotton supply chain. Through tools like the Fairtrade Minimum Price and an additional Fairtrade Premium, and stronger, more democratic organisations, Fairtrade has sought to provide these farmers with an alternative route to trade and higher, more stable incomes.



**KLOPMAN GREENWEAR  
FABRICS.**

**BE PART OF THE CHANGE**

## RECYCLED POLYESTER

**Concept R-PES 150 g/m<sup>2</sup>**  
Recycled polyester

**Superbandmaster R-PES 210 g/m<sup>2</sup>**  
Recycled polyester

**Showstar R-PES 250 g/m<sup>2</sup>**  
Recycled polyester

**Dynamite R-PES 300 g/m<sup>2</sup>**  
Recycled polyester

## RECYCLED POLYESTER SUSTAINABLE COTTON

**Spotlight R-PES/BCI 175 g/m<sup>2</sup>**  
Recycled Polyester/Better Cotton Initiative

**Charlotte R-PES/BIO 180 g/m<sup>2</sup>**  
Recycled Polyester/Organic Cotton

**Indestructible R-PES/FT/BIO 245 g/m<sup>2</sup>**  
Recycled Polyester/Organic - Fairtrade Cotton

## RECYCLED POLYESTER TENCEL

**Oxford R-PES 195 g/m<sup>2</sup>**  
Recycled Polyester/Tencel

**Helford R-PES 215 g/m<sup>2</sup>**  
Recycled Polyester/Tencel

# GREENWEAR



KLOPMAN INTERNATIONAL S.R.L.  
Via Armando Vona n. 34 - 03100 Frosinone (FR) - Italy  
tel. +39 0775 2981  
[www.klopman.com/greenwear](http://www.klopman.com/greenwear)  
[sales@klopman.com](mailto:sales@klopman.com)

**THIS BROCHURE IS PRINTED ON SUSTAINABLE  
PAPER MADE OF AGRO-INDUSTRIAL  
CORN WASTE AND FSC RESOURCES.**