

# ***FRISTADS GREEN CONCEPT***

Measuring the total impact of a garment –  
Environmental Product Declaration (EPD)

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# ABOUT FRISTADS

- Part of the Fristads Kansas Group, the largest workwear group in Europe
- Operates in more than 20 countries
- Owns two production facilities: Latvia and Ukraine
- Annual sales of about EUR 450+ million
- About 1600 employees, 180 based in Sweden
- Head office in Borås, Sweden
- Privately owned by Christian Dyvig and Michael Hauge Sörensen



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***FRISTADS  
FIRST IN  
THE WORLD***



***FRISTADS***



# ***THE BEGINNING...***

- Mission – to create a sustainable collection
- What is true sustainability?
- How do we know?
- Sandra Roos, LCA expert at RISE
- Creating an EPD at garment level
- The rules had to be set!

# ***PCRS (PRODUCT CATEGORY RULES)***

- PCRs are documents that provide rules, requirements and guidelines for developing an EPD for a specific category
- Founding of an international committee through RISE to define the rules
- Suggestions and basis for the rules were defined in accordance with ISO 14025
- What scope?
- From Cradle to Gate
- Different PCR categories for different garments, trousers, jackets etc.
- Necessary to display test results in order to be transparent



# WHAT IS AN EPD?

- Standardised methodology for reporting environmental performance of products (ISO 14025)
- The relevant standard for Environmental Product Declarations (EPD) is ISO 14025, where they are referred to as "type III environmental declarations"
- An EPD is created and registered in the framework of a programme, such as the International EPD® System
- The IES online database currently contains more than 850 EPDs for a wide range of product categories from companies in 40 countries



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# ***IMPLEMENTATION***

- ✓ Visit factories
- ✓ Data collection
- ✓ Fibre and wet treatment
- ✓ Which chemicals?
- ✓ Water usage per kg raw material?
- ✓ What energy source?
- ✓ Machine time?
- ✓ Transportation
- ✓ Comparative product



# ***FABRIC & TRIMS***

- Today, water consumption and chemicals have the greatest impact on the environment in the textile industry
- Carefully chosen fabrics and trims
- Dope dyed recycled polyester
- Undyed cotton
- Recycled PES zippers
- Screw buttons in raw metal





# ***DESIGN & CONSTRUCTION***

- Special folding
- Less machine time
- 100% usage of fabric

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# EFFICIENT PACKING AND SHIPMENT

- We avoid the use of plastic bags
- The garments are folded using a special folding technique, making packing more effective
- Takes up less space
- Optimized use of transport capacity
- All transport is by sea and road, which has significantly lower environmental impact than air transport

**CRAFTSMAN  
JACKET 4538 GRN**  
Article no 130513



**T-SHIRT 7520 GRK**  
Article no 129825



**CRAFTSMAN TROUSERS  
2538 GRN**  
Article no 129663



**FLEECE JACKET  
4921 GRF**  
Article no 129826



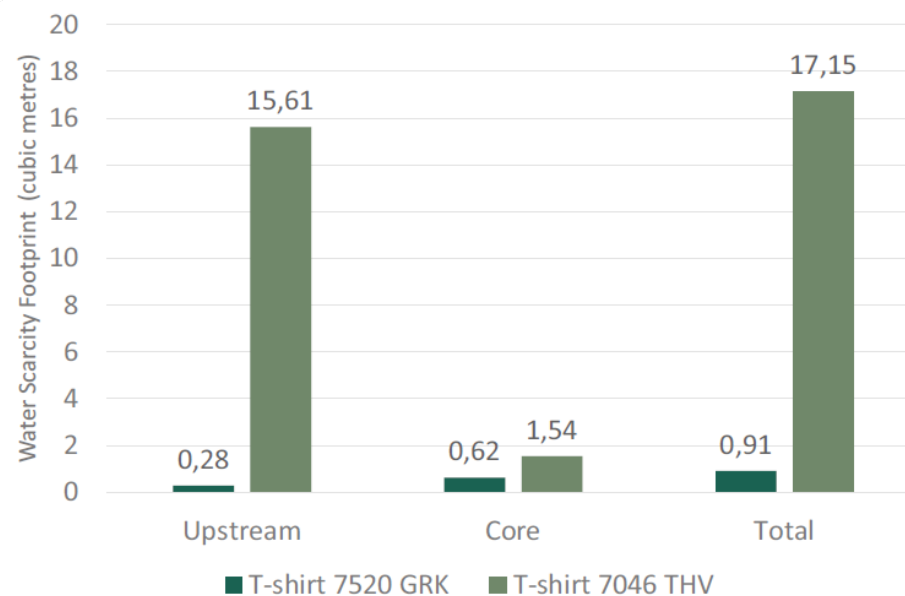
**COMFORT PADS** for  
knees and elbows



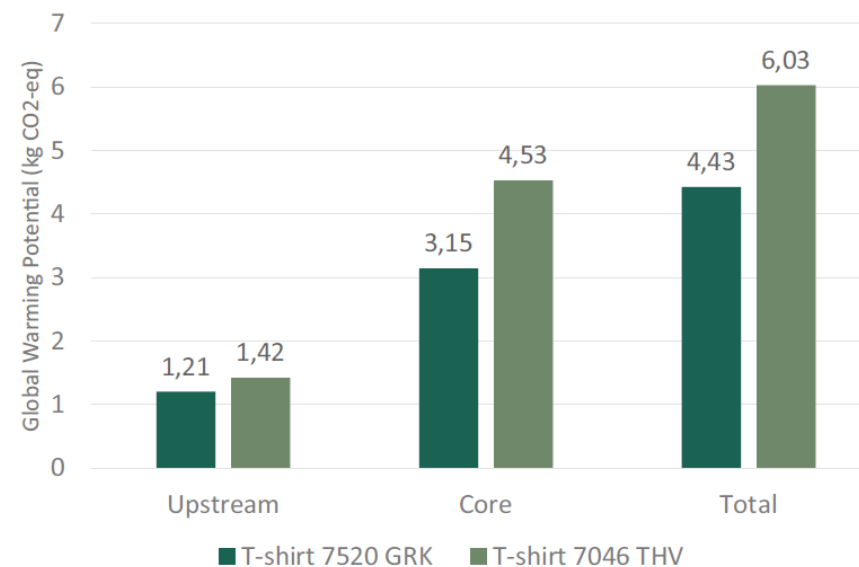
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# RESULT EPD — Fristads T-shirt 7520 GRK



**Figure 2.** The Water Scarcity Footprint of T-shirt 7520 GRK and T-shirt 7046 THV. Figures for one t-shirt.



**Figure 3.** The Global Warming Potential of T-shirt 7520 GRK and T-shirt 7046 THV. Figures for one t-shirt.



# ***WORKWEAR BUSINESS***

- Calculate total impact
- CO<sub>2</sub> emissions
- Water usage
- More product categories
- Tender business
- Comparison tool for companies



# ***CHALLENGES***

- Setting the standards
- Educate suppliers
- Comparison product
- Time-consuming and knowhow-intensive

# ***WHAT NEXT?***

- Fristads wants to make a difference!
- We are on a journey!
- More EPD's to come!



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reddot award 2019  
winner



# WE AIM HIGHER

Our groundbreaking work on our Green concept has attracted much attention in the world.

We are proud to have received two acknowledged design awards for our sustainability achievement.



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