

# FORECASTING FABRIC TRENDS

## FUNCTIONAL FABRIC FAIR

POWERED BY *PERFORMANCEDAYS*

MUNICH | NEW YORK | PORTLAND

Presented by Alexa Dehmel



# FORECASTING FABRIC TRENDS

**WELCOME**  
to DAY 4 of the  
Expert Talks Live Webinar Series  
„FUNCTIONAL FABRIC FAIR“  
powered by  
**PERFORMANCE DAYS**  
July 20<sup>th</sup> - 23<sup>rd</sup>

This wall includes all fabrics suitable to be worn directly next to the skin. They are for use in sports underwear, baselayer or single layer. They are for use in sports underwear, baselayer or single layer. They are for use in sports underwear, baselayer or single layer.

These fabrics are used for jackets or pants. They can be elastic and are mostly bonded, knitted or sometimes bonded woven. They can be elastic and are mostly bonded, knitted or sometimes bonded woven. They can be elastic and are mostly bonded, knitted or sometimes bonded woven.



# FORECASTING FABRIC TRENDS

NEXT TO SKIN / BASELAYER / FOCUS TOPIC: LAYER / SOFTSHELL

## INSPIRED BY NATURE – FROM FIBERS TO GREEN TREATMENTS

Presentation of some meaningful functional textile topics  
with materials from  
the digital **FUNCTIONAL FABRIC FAIR** forum  
and the digital **PERFORMANCE DAYS** forum



# FORECASTING FABRIC TRENDS

**“Only when the last tree has been cut down,  
the last fish been caught and the last river poisoned,  
will we realize we cannot eat money.”**

## **Cree Indian Prophecy**

Prophecy of the Cree wrongly called a slogan of the US and West German environmental movement in the eighties.



# FORECASTING FABRIC TRENDS

## Retail demands (SAZ Sports Magazine):

- Due to corona situation shops decrease their urban outdoor and athleisure orders, they want to keep the space for the functional collections - quality, longevity, perfect fit and circular concepts are requested
- Function will take more place in the fashion
- Sustainability for retail has obtained another meaning in the last couple of years – it is now mandatory - most important are the PFC free DWR's, fast growing resources, products from recycled materials – treatment and coatings such as DWR's, insect repellents, anti odor, UV, etc. have to be sustainable

## Consumer demands (WGSN):

- The new generation doesn't want to be told what to do – they want brands that meet their needs in a genuine way
- Design items that can be remade, reused or resold to incentivise people to be active in circular systems. It will enable you as a brand to profit from product's future earnings beyond the first point of purchase.
- Consumers will increasingly be weighing up their needs versus their wants, so successful designs will focus minimizing climate impact and waste, while maximizing value at every stage of the product life cycle.



## INSPIRED BY NATURE – FROM FIBERS TO GREEN TREATMENTS

How can performance fabrics be natural and functional at the same time?

- by yarn: natural fibres, from plants or animals
- by ecological man made fibers
- by in-yarn technologies & green treatments



## INSPIRED BY NATURE – FROM FIBERS TO GREEN TREATMENTS

What is the simplest way to care about our environment in textiles?

- garments made of natural fibers or waste
- garments made from recycled fibers or waste
- produced environment friendly
- predominantly biodegradable or recycable



## BACK TO NATURE

### NATURAL FIBERS

With their performances derived from nature

### ECOLOGICAL MAN-MADE FIBERS

Fibers that are based on natural components but technically modified

### IN-YARN TECHNOLOGIES

Natural ingredients embedded in fibers

### GREEN TREATMENTS – NATURAL FINISHINGS

Natural ingredients with surface application on the yarn or fabric

<https://www.functionalfabricfair.com/new-york/en-us/focus-topic-inspired-by-nature.html>



# FORECASTING FABRIC TRENDS

1. INNOVATIVE FOOD WASTE MATERIALS
2. HEMP & PAPER YARN
3. SUSTAINABLE DYEING TECHNOLOGIES
4. MODERN NOMADS STAY @ HOME
5. BEAUTY AND WELLBEING WITHIN MATERIALS
6. CREATE THE PERFECT LEGGINGS
7. POST CORONA SUSTAINABLE OUTDOOR GEAR



# FORUM ICONS



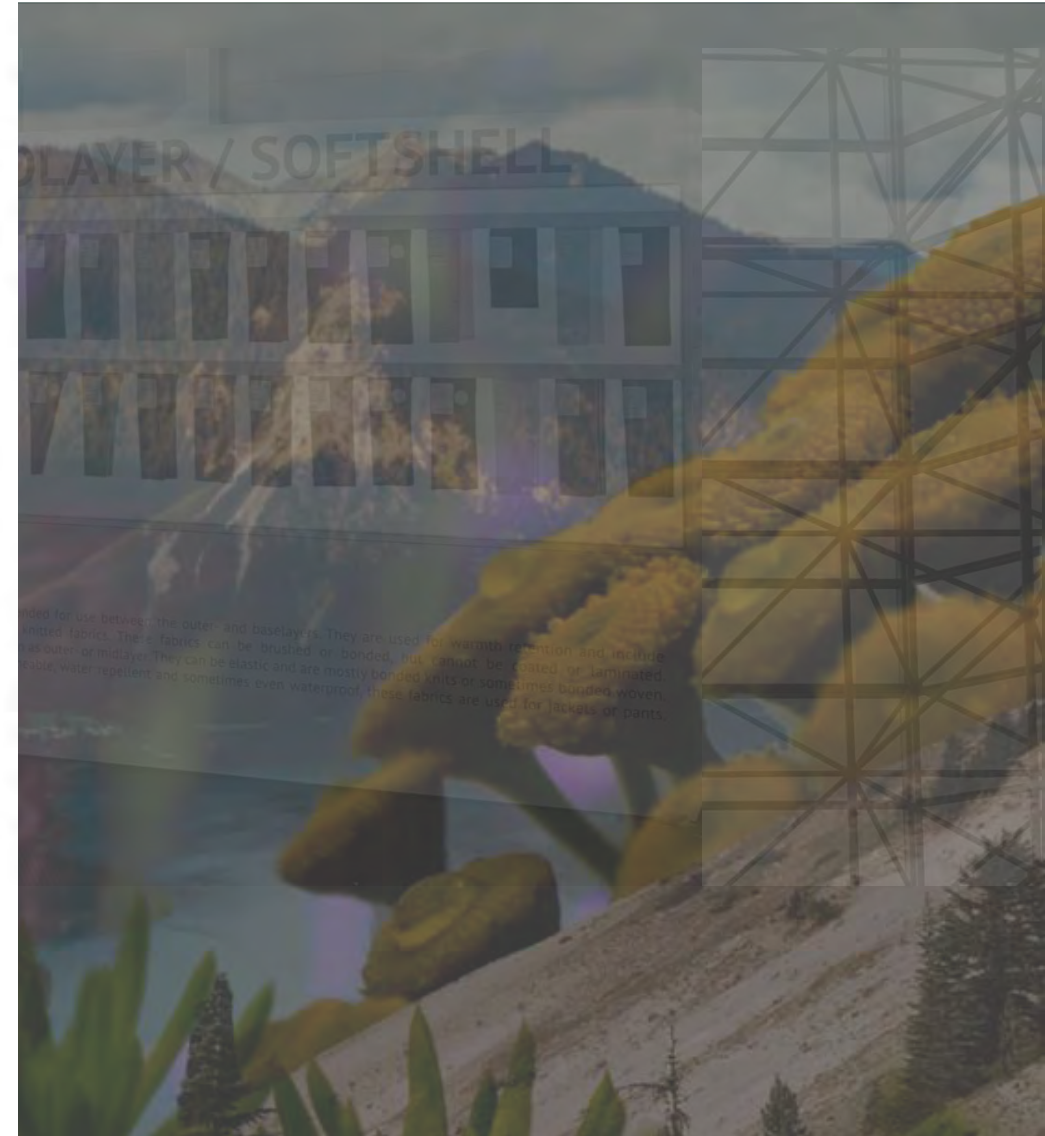
## PRODUCTS



## FUNCTIONS

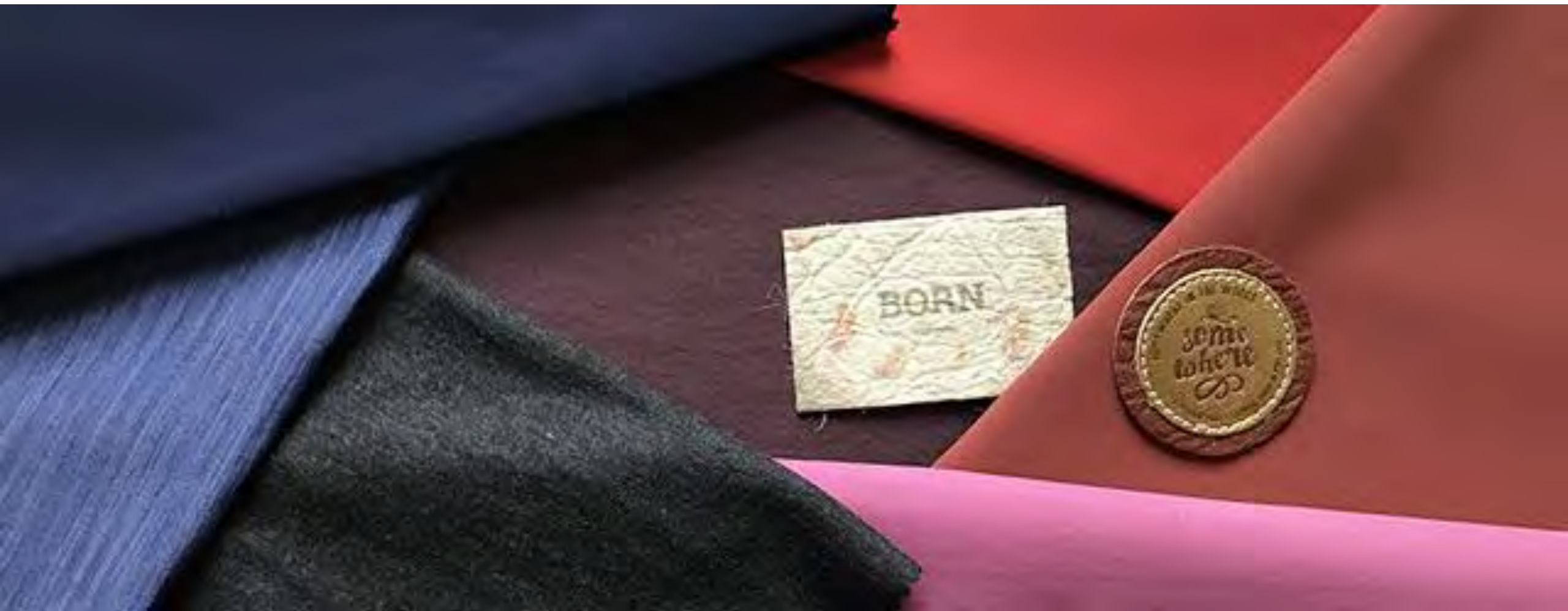


## SUSTAINABILITY





# INNOVATIVE FOOD WASTE MATERIALS



**FORCASTING FABRIC TRENDS**



# INNOVATIVE FOOD WASTE MATERIALS

We all try as best we can to reduce our carbon footprint and preserve our planet as clean as possible for future generations. Most of us are not aware that „Climate experts have identified food waste as one of the top sustainability problems worldwide and the United Nations environment program has an ambitious goal of eliminating half of all food waste by 2030.“ (CNN online, March 18/2020)

**FORCASTING FABRIC TRENDS**



# INNOVATIVE FOOD WASTE MATERIALS

Outstanding for this season are submitted fabrics containing „Oyster Shell“. Oyster shell is sourced from the food industry, grounded into fine powder and mixed with recycled polyester or recycled nylon. These yarns often branded as SeaWool® provide thermal regulation, anti-static, anti odor, moisture management, natural handfeel and wrinkle-resistance properties.



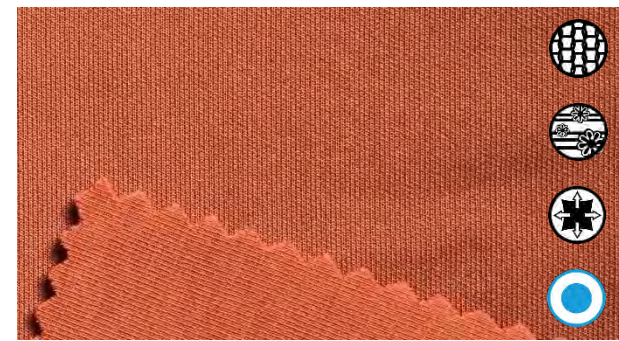
# INNOVATIVE FOOD WASTE MATERIALS

In this following selection you will find fabrics with Oyster Shell as well as materials with fibers from Castor Oil Plant, Coffee Shell and Pineapple Leaf.

**FORCASTING FABRIC TRENDS**



# INNOVATIVE FOOD WASTE MATERIALS



**NEW WIDE**

KD214073

305g

44% organic Cotton, 18% Polyester, 7% Elastan/Spandex, 31% Triexta



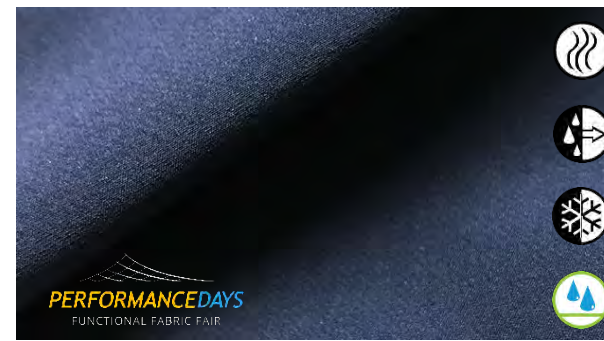
**LI PENG**

SQK0023

Midlayer

295g

95% Polyester, 5% Elastan/Spandex



**FLYING TEX**

RC-POP322N92

Pants

200g

44% Polyester, 44% Polyester, recycle., 12% Elastan/Spandex



**LONG ADVANCE**

LA-19145-104

Midlayer

203g

57% Cotton, 38% SeaWool™



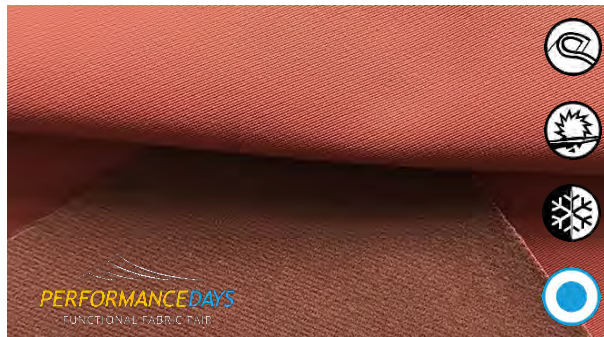
**J&B**

JBHA-10014-2

2Layer 10K/10K

207g

45% Polyamide, recycl., 55% Biomass Nylon



**SCHOELLER TEXTIL**

67343

Outer Midlayer

305g

94% Polyamide, 6% Elastan/Spandex



**NILORN**

SAM 213

Label

100% Piñatex®



**BITZER + SINGLE**

Pineapple based Faux Leather BORN Label

80% Pineapple Leaf Fibre, 20% Renewable Corn starch PLA fibre

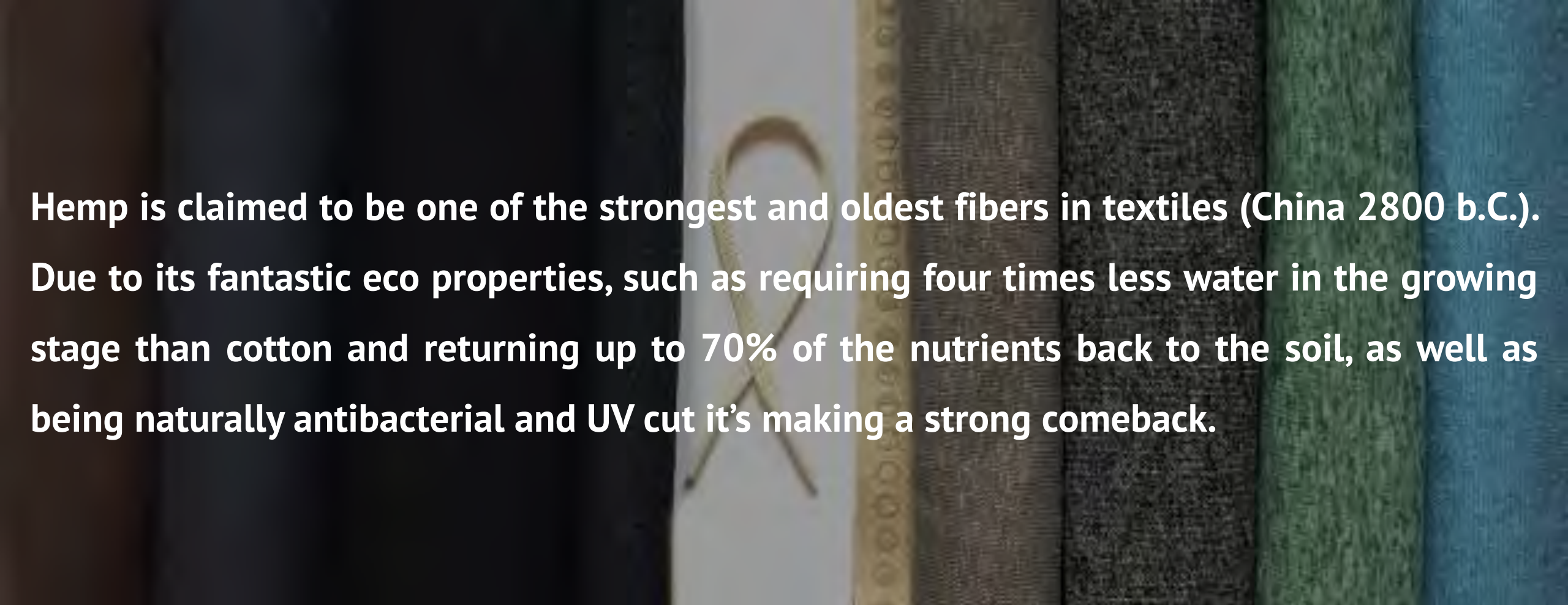


# HEMP & PAPER YARN



**FORCASTING FABRIC TRENDS**

# HEMP & PAPER YARN



**Hemp is claimed to be one of the strongest and oldest fibers in textiles (China 2800 b.C.). Due to its fantastic eco properties, such as requiring four times less water in the growing stage than cotton and returning up to 70% of the nutrients back to the soil, as well as being naturally antibacterial and UV cut it's making a strong comeback.**

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# HEMP & PAPER YARN

Abacá, a species of banana plant native to the Philippines, is grown as a commercial crop in the Philippines, Ecuador and Costa Rica. The plant, also known as Manila Hemp, has great economic importance, being harvested for its fiber. It can rapidly grow without the use of pesticides or insecticides and is friendly to environment during growth. Paper yarn is strong, breathable, hypo-allergenic, durable, resistant to water, fast drying and lightweight.

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# HEMP & PAPER YARN



**DRIRELEASE**

233-P0564/19

130g  
 88% Polyester, 12% Hemp



**DRIRELEASE**

470-20784

Hemp Jersey  
 175g  
 84.5% Polyester, 11.5% Hemp,  
 4% Elastan/Spandex



**DRIRELEASE**

470-20785

Hemp Terry  
 240g  
 85% Polyester, 12% Hemp,  
 3% Elastan/Spandex



**PONTETORTO**

9080/M/RC/RES

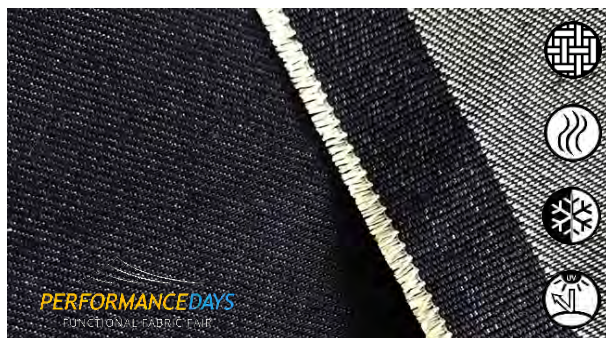
226g  
 26% Cotton, 6% Elastan/Spandex,  
 31% Hemp, 37% Polyester, recycl.



**HEMP FORTEX**

KF21E810

350g  
 80% Organic Cotton, 20% Hemp



**WA. CLOTH HYBRID**

WA CLOTH DENIM

300g  
 66% Cotton, 34% paper yarn



**FONE-TAI**

IGR001

186g  
 67% Paper Yarn + SeaWool™,  
 33% Elastan/Spandex



**CHEN TAI**

Abacell Fiber laces

100% Paper yarn



# SUSTAINABLE DYEING TECHNOLOGIES



**FORCASTING FABRIC TRENDS**



# SUSTAINABLE DYEING TECHNOLOGIES



When it comes to dyeing technologies we appreciate that more and more sustainable solutions are developed considering the impact on the planet, especially in reducing waste, avoiding chemicals and saving water.

**FORCASTING FABRIC TRENDS**

# SUSTAINABLE DYEING TECHNOLOGIES

Natural dyes, f.e. dyestuff from foodwaste, tea, plants, flowers, herbs and spices start to scale up as well as waterless synthetic dyeing processes even in fluo colours. One moves away from bleaching and allows the presence of optical whites.

**FORCASTING FABRIC TRENDS**



# SUSTAINABLE DYEING TECHNOLOGIES

Popularity of natural dyes and undyed fabrics bring up new key colour palettes with beautiful neutral shades.

Sustainable dyeing technologies will certainly play a role in future responsible product strategies.

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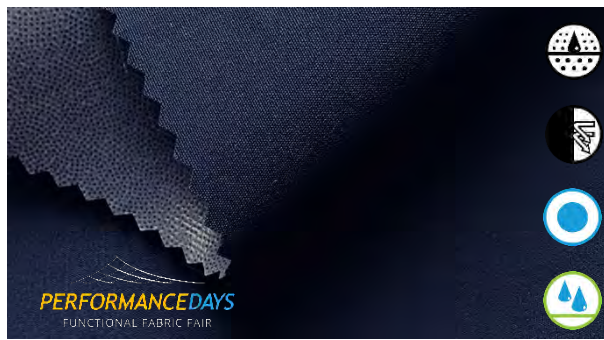


# SUSTAINABLE DYEING TECHNOLOGIES



**SCHOELLER GMBH & CO**

SUPREME "TERRA" EXP GOTS RWS  
 3D Knit  
 275g  
 100% Merino Wool, 100% Degradable dye stuff



**SYMPATEX**

Kutaisi  
 2Layer woven  
 133g  
 100% Polyester



**ACHIEVETEX**

CE8591-R  
 Lightweight high density  
 51g  
 100% dope dyed Polyamide recycl.



**SÜDWOLLE GROUP**

Mocca NM48/2  
 Jersey  
 100% Merino Wool



**PIONEER ELASTIC**

Plant-based dyes cotton  
 Tapes

95% Cotton, 5% Elastan/Spandex



**LAUREMA**

STAY COOL  
 Transfer

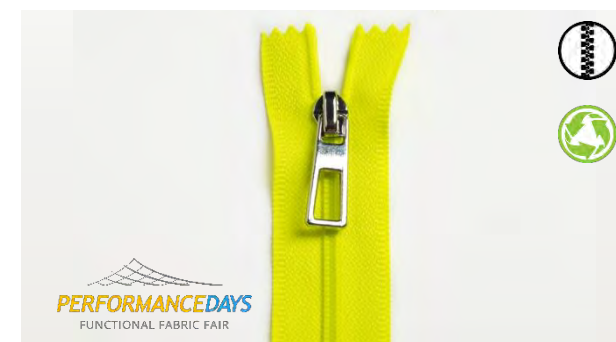
12% mint, 88% waterbased inks



**E.DYE**

DIK050-SRF3BG  
 Light 2Layer knit  
 65g

72% Polyester recycl., 28% Polyurethane



**E.DYE**

DZIP01  
 Zipper

95% Polyester recycl.



# MODERN NOMADS STAY @ HOME

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# MODERN NOMADS STAY @ HOME

**This story is leading to covid-19 acting as a catalyst for a seismic change in the textile industry. We will see comfort to become a key differentiator for consumers. Our homes have become multipurpose spaces, such as office, school or activity center. With the rise of working from home and telecommuting tools, above-the-keyboard dressing will become norm.**

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# MODERN NOMADS STAY @ HOME

**You might discover some beautiful “comfortwear” fabrics:**

**A couple of woodfiber blends, but also recycled Nylon, Polyester or Elasthane, as well as biodegradable stories...an abundance of sustainable solutions. The colours come in neutral and commercial shades. All of them will dress your costumers perfectly as well, when they decide to go outside.**

**FORCASTING FABRIC TRENDS**



# MODERN NOMADS STAY @ HOME



## GLOBAL MERINO

GM1983, Global Merino ReRapt™  
 3D Doubleknit Longsleeve Tops /Jackets  
 210g  
 15% Polyamide, 47% Wool Merino,  
 38% 37.5 Technology Nylon



## GLOBAL MERINO

Global Merino ReRapt™ Single Jersey  
 Thermoregulating flattering Tops  
 110g  
 55% Wool Merino, 45% Polyester, recycl.



## NEXTIL GROUP/ RITEX

54200  
 Super fluid dry touch knit for Tops  
 160g  
 96% Acetate, 4% Elastan/Spandex



## DRIRELEASE

646-X2-1009-1  
 Longsleeve  
 165g  
 83% Polyester, 11% Lyocell



## DESIGNER TEXTILES

5317  
 Tee-Shirt Single Jersey  
 140g  
 70% Tencel®, 30% Wool Merino



## BYR (Solucell)

SolucellAir Piquet  
 Blazer or Sweatshirt Piquet  
 263g  
 100% Cotton



## LIU LONG TAI

SRWL054  
 Woven Stretch Pants  
 235g  
 75%Tencel®, 21.5% Polyamid, recycl.,  
 3.5% Elastan/Spandex



## N-STARS FASHION

NK001153/A  
 Hoody – Midlayer jacket  
 280g  
 53% Polyester, 30% Cotton, 17% Viscose




# BEAUTY AND WELLBEING WITHIN MATERIALS

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# BEAUTY AND WELLBEING WITHIN MATERIALS



In these times of a new work-life balance, self-care as well as the focus on physical and mental wellness, we welcome innovative approaches for sustainability and more purpose values in fabrics. The spotlight is on beauty, wellness, anti-aging, healing and restoring.

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# BEAUTY AND WELLBEING WITHIN MATERIALS

Brands will be able to satisfy their health and beauty conscious consumers by boosting benefits achieved by adding vitamins, minerals, amino acids, argan oil, aloe vera, collagen and so on.

That means that moisture management and thermoregulation will be allied by protection from radicals, cellulite reduction, particular next-to-skin softness or other intelligent properties.

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# BEAUTY AND WELLBEING WITHIN MATERIALS

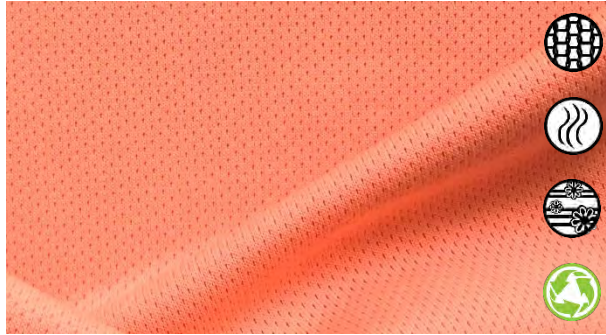


With this selection we may contribute to creating forward-thinking collections reflecting the new consciousness.

**FORCASTING FABRIC TRENDS**



# BEAUTY AND WELLBEING WITHIN MATERIALS



**MURPHYTEX**  
MJIK-1674DRE

150g  
49% Polyester, recycl., 51% Cuppic Ion Fiber



**HOBA TEXTILE**

HBO1907  
Collagen + Wincool  
160g  
37% Polyamide, 47% Rayon, 5% Elastan/Spandex,  
9% Wincool Rayon, 2% Collagen



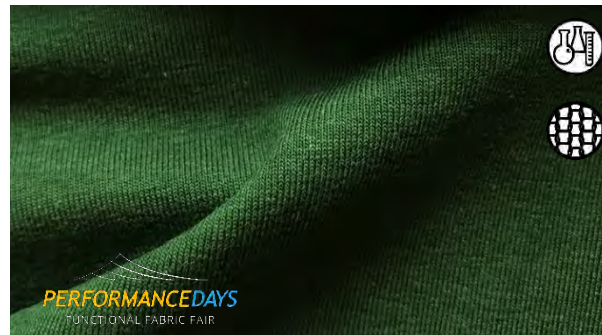
**CHICHAMPE**

OLKN40475PS001  
475g  
11% Lycra®, 15% Tencel®,  
65% Viscose, 9% Lyocell (SeaCell™)



**JOAPS**

MAJR 20 63 70  
130g  
80% Cotton, 20% SeaCell™



**BLOOMATI**

JER.060.0152  
183g  
33% Cotton, 3% Elastan/Spandex,  
32% Tencel®, 32% Lyocell



**RIH JAN**

RJ-F2453  
170g  
13% Elastan/Spandex, 87% Polyamide

# CREATE THE PERFECT LEGGINGS



**FORCASTING FABRIC TRENDS**



# CREATE THE PERFECT LEGGINGS

**Yes, they are definitely back: “Leggings”. They appear in many active design capsules, as a core item for various activities. They stand for diversity and inclusivity.**

# CREATE THE PERFECT LEGGINGS

The varieties seem infinite: The “Performance Leggings”, the “Armour Leggings”, the “Flex Leggings”, the “Compression Knit Leggings”, the “Adjustable Leggings”, the “Pop-Seam Leggings”, the “Cut & Sew Leggings”, the “Crafted Leggings”, the “Seamless Leggings”, etc.

**FORCASTING FABRIC TRENDS**

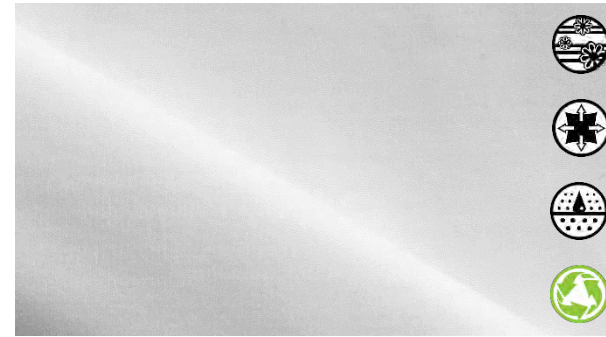
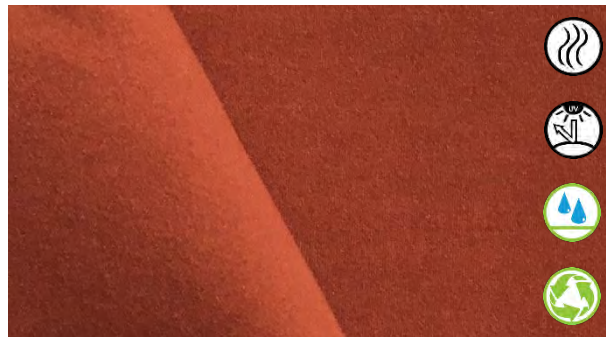


# CREATE THE PERFECT LEGGINGS

It takes a couple of ingredients for a designer and developer to create the “Perfect Leggings”. One of them is the right sustainable fabric choice. Among the many exhibitor portfolios, we selected our favorite developments which could facilitate this process for you. Be inspired:

**FORCASTING FABRIC TRENDS**

# CREATE THE PERFECT LEGGINGS



**M.I.T.I. Spa**

DUAL CLAY BIO

210g

74% Polyamide, 26% Elastan/Spandex

**EKOTEN**

93680V

Doubleface Interlock

190g

76% Polyamide, 24% Elastan/Spandex

**NEXTIL GROUP/ RITEX**

23939Q

Performance Knit

205g

60% Polyamide, recycl. Q-NOVA®,  
40% Lycra®

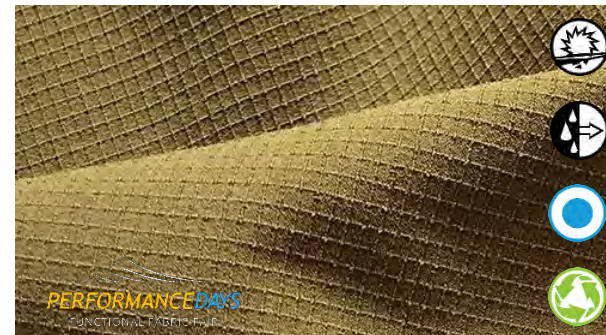
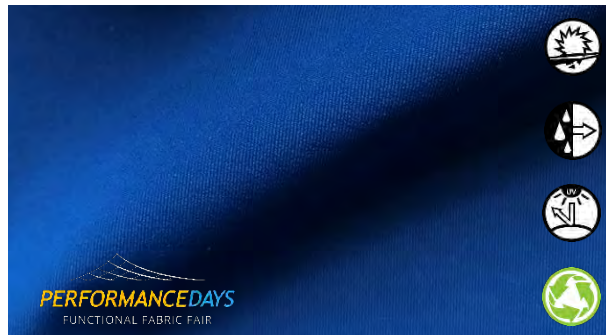
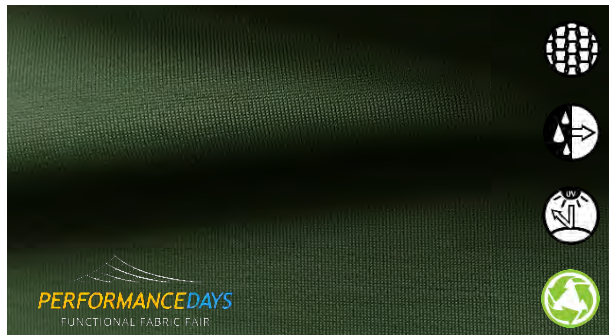
**M.I.T.I. Spa**

GRAVITY GREEN

Compression Knit

210g

60% Polyamide, recycl.,  
40% Elastan/Spandex recycl.



**CARVICO**

390 VITA

Comfort & Compression

190g

22% Lycra®,  
78% Polyamid, recycl. ECONYL®

**JERSEY LOMELLINA**

RENEW PRIME

Great for seamless

190g

35% Lycra®, 65% Polyamid, recycl. ECONYL®

**IBQ**

CARROT

Double weave ripstop

250g

10% Lycra®, 65% Polyester,  
recycle, Coolmax®

**ISKO**

PY6507 ARQUAS 6.0 BLUESKIN BLACK

Woven super Stretch

263g

21% Elastan/Spandex,  
79% Polyester, recycl.



# POST CORONA SUSTAINABLE OUTDOOR GEAR

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# POST CORONA SUSTAINABLE OUTDOOR GEAR

What are the demands of sustainable Outdoor gear of tomorrow?

Some of the key words might be “Responsible & Diverse Design”, “Trans-Seasonal Developments”, “Real Product Purpose”, Cleaner Processes or “Longer Life Products”.

**FORCASTING FABRIC TRENDS**

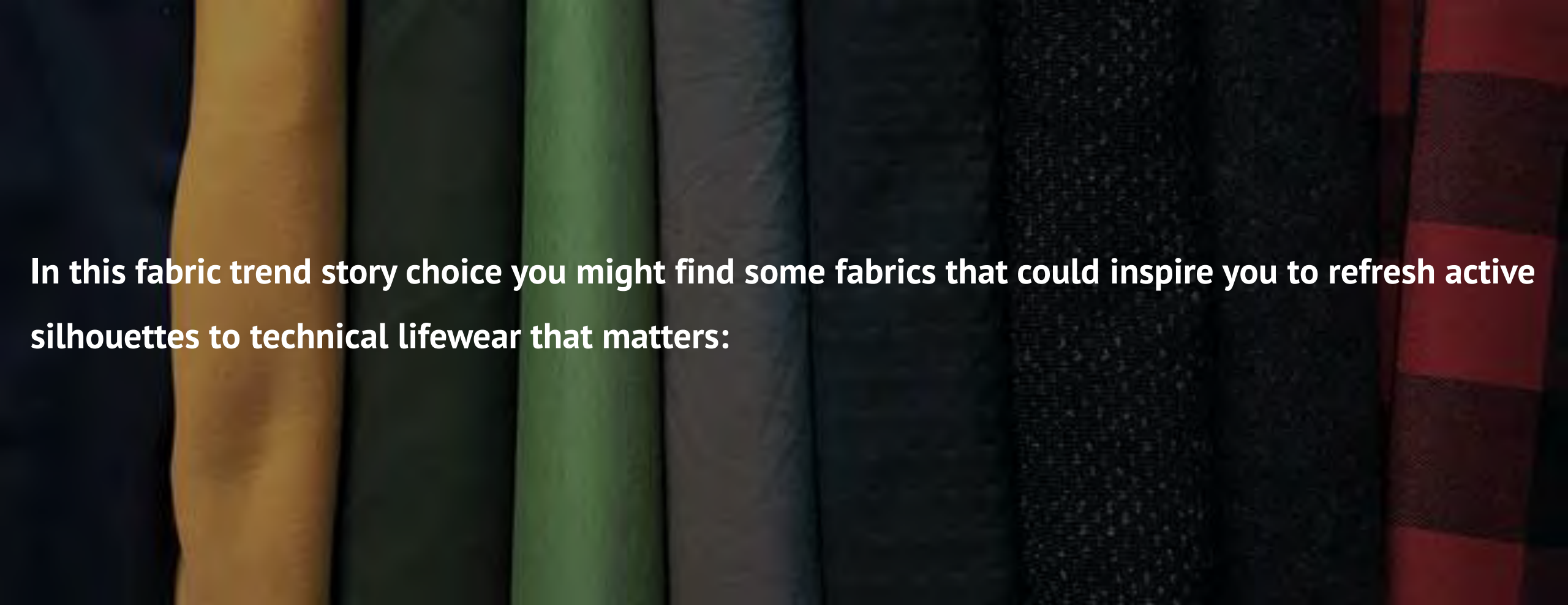


# POST CORONA SUSTAINABLE OUTDOOR GEAR

Consumers are individual, they all want something different out of the active industry. Fullfill their needs of practical and comfortable clothing, embracing the anti-excessive and anti-waste movement as well as the longing for sustainable innovations in textiles, that help to save the climate. Consumers are seeking both for protection and performance.

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# POST CORONA SUSTAINABLE OUTDOOR GEAR

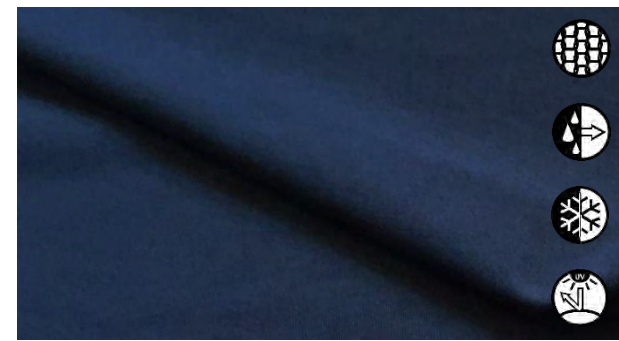


In this fabric trend story choice you might find some fabrics that could inspire you to refresh active silhouettes to technical lifewear that matters:

**FORCASTING FABRIC TRENDS**



# POST CORONA SUSTAINABLE OUTDOOR GEAR



**brrr®**

K0146

Functional Tee-Shirt or Top

165g

82% brr® Polyester, 18% Elastan/Spandex



**SCHOELLER TEXTILE**

Dynamic 63125

Outdoor Pants Woven

245g

97% Polyamide, recycl.,  
3% Elastan/Spandex, recycl.



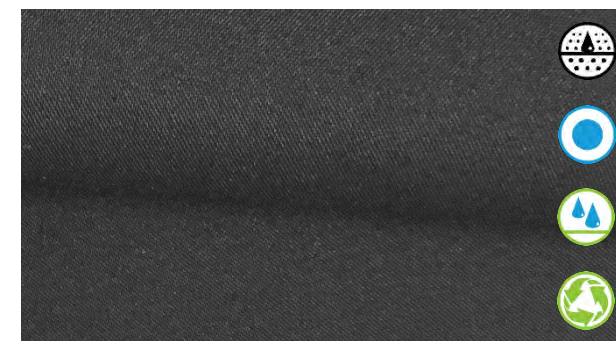
**EKOTEN**

93748

Abrasion resistant Tee-Shirt or Polo-Shirt

200g

59% recycled Cordura, 41% Tencel®



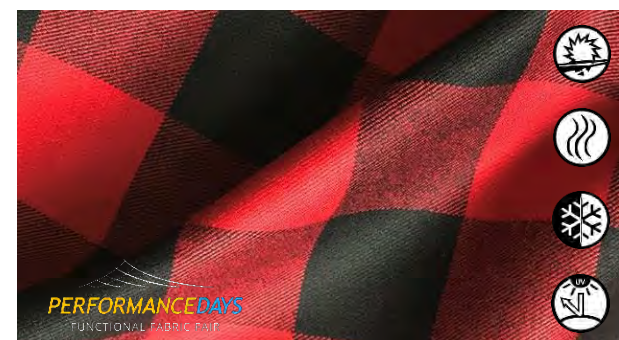
**AMATERRACE**

ST9888CIINF

Waterproof Jackets or Pants + stretch

120g

100% Polyamide, recycl.



**WILLY SCHMITZ / BECKER TUCHE**

3-711-400/8000

Durable Outdoor Shirt

237g

60% Merino Wool, 38% Polyamide, recycle.,  
2% Elastan/Spandex



**POLARTEC**

Alpha® Wool Direct style 4048

Midlayer Jacket

153g

63% Polyester, 33% Wool, 4% Polyamide



**HYPERBOLA**

SR1324(OTS-B077)

Outer Midlayer Jacket

189g

94% Polyester, recycl., 6% Elastan/Spandex



**BENQ**

OD677

Light 2 Layer Jacket and Pants

86g

100% Polyester, recycle.



# FORECASTING FABRIC TRENDS

## HOW TO GET THE PDF OF THE PRESENTATION:

The presentation will be hosted on the Functional Fabric Fair Website next week.

If you are interested to receive a digital version of the presentation, please send an email to: [info@active-sports-design.com](mailto:info@active-sports-design.com) or [inquiry@functionalfabricfair.com](mailto:inquiry@functionalfabricfair.com) with subject: FORECASTING FABRIC TRENDS PDF.

## HOW TO ORDER SWATCHES FROM FUNCTIONAL FABRIC FAIR NEW YORK

Functional Fabric Fair is happy to facilitate swatch ordering. Please email [inquiry@functionalfabricfair.com](mailto:inquiry@functionalfabricfair.com) with the subject line “Swatch Order” and we will forward your request.

## HOW TO ORDER SWATCHES FROM PERFORMANCE DAYS MUNICH

Performance Days facilitates swatch ordering directly on the website: <https://www.performancedays.com/digital-fair/forum-highlights/material-stories.html>  
Simply click on the items in the different categories and request a sample.



WE HOPE WE COULD CONTRIBUTE TO INSPIRE YOU FOR INNOVATIVE SUSTAINABLE CLOTHING CREATION.



FUNCTIONAL  
FABRIC FAIR

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THANK YOU!

Presented by Alexa Dehmel - [alexa.dehmel@active-sports-design.com](mailto:alexa.dehmel@active-sports-design.com)  
[www.active-sports-design.com](http://www.active-sports-design.com)