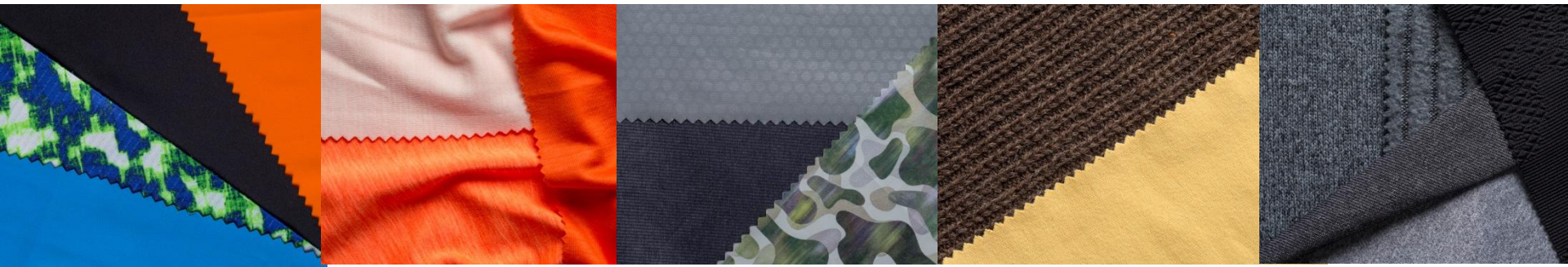


Trends in functional fabrics



kick off winter 2017/18
update summer 2017

Presented by Performance Days/Ulrike Arlt

Trend topics

Keywords at a glance:

FUNCTION: NEW NATURAL FIBRE BLENDS

FASHION: NEW NATURAL OPTICS

JURYS PICK: ATHLEISURE -

RETHINKING PERFORMANCE KNITS

Fibre Blends for Functional Fabrics

Lots of new functional fabrics show combinations of man made and natural fibers:

- Starting from Baselayer Qualities where PA and PES is blended with Merino, Silk or Tencel

- Coming to Midlayer Blends of Wool and PES e.g.

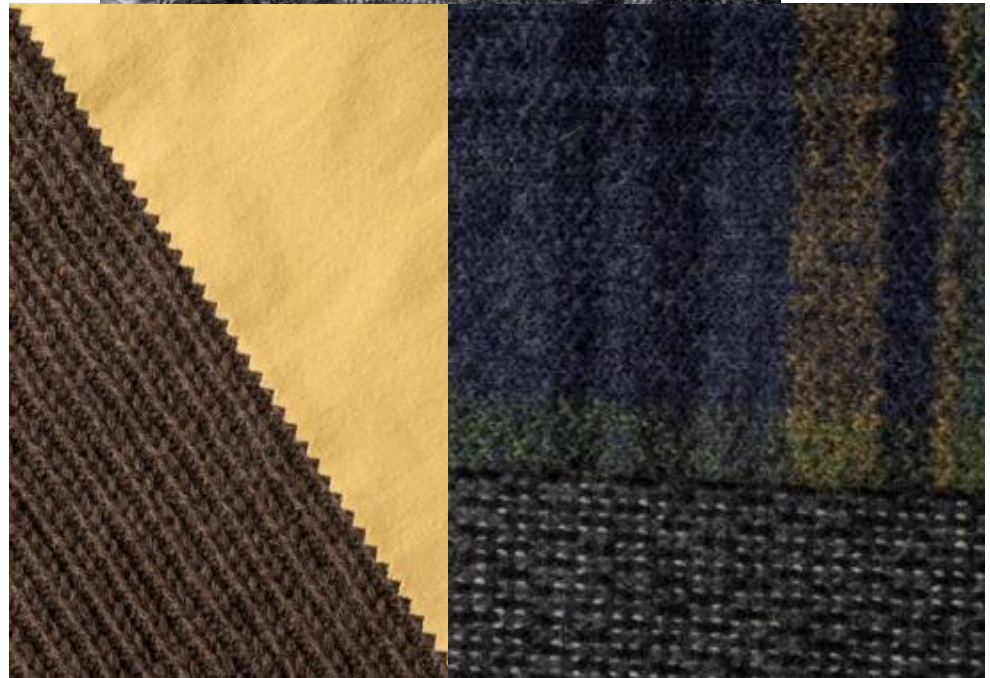
- Ending at Outer Layer Fabrics with a slight percentage of Cotton and sometimes waxed surfaces



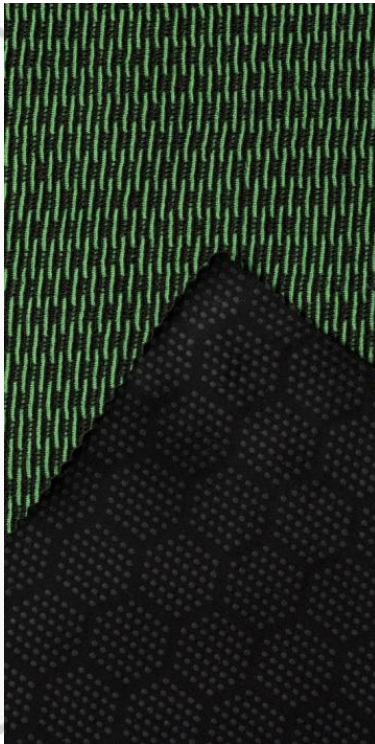
Natural Looks for Sportswear Fabrics

Natural Fibres and Blends are crafted in new ways:

- Low Gauge Knits look like Handmade
- Single Jerseys come in natural colors
- Jacquard knits show fashionable patterns
- New Woolen Tartans for jackets and shirts



New Honeycomb Patterns



New Woolen Optics



New Structures


PERFORMANCEDAYS
FUNCTIONAL FABRIC FAIR



Jurys Pick: Athleisure!



The latest trend in sports garments is called “Athleisure”

Athleisure Garments are not intended being worn just in the studios and for workouts, but to the contrary, now the sporty lifestyle is conquering sidewalks and offices. No more multiple changes are necessary with this fashionable sportswear for everyday use.

Those who keep fit are proud of it and want to show it off in their daily and professional life. "Athleisure" is the new hype replacing the trend topic "Outdoor" and, it´ s currently blurring the line between active wear and sportswear.

But: Athleisure Collections must be simultaneously fashionable and able to meet the functional demands of the athletes and the sporting branch.

Jurys Pick: Athleisure!



The clothing only deserves the name if it can deliver the functionalities that the look promises.

While cut, color, and style are important, the appropriate fabric function is even more important - not just for the athletes, but also for the success of the collection.

Clothing feels like a second skin only and can be called Athleisure when

- it is comfortable to wear
- moisture is transported quickly
- it stops the formation of bad odors
- it warms or cools the body as required

It is exactly this feeling of well-being that turns a style into a favorite style, the one everybody never wants to take off, and would like to wear 'round the clock - even in the office.

Jurys Pick: Athleisure!



clockwise from
top: Evertex,
Evertex,
Optimer

from left: Schoeller
GmbH, Flocus

from left: Polartec,
Schoeller GmbH,
Safil

Jurys Pick: Athleisure!



What does the new
Athleisure Knits offer?

- Moisture Management
- Odor Management
- Warmth Retention or
- Cooling Benefits
- Soft Handfeel
- Good Elasticity

These benefits are made
by intelligent fibre
blends combining the
best properties of
natural as well as man
made fibres.

clockwise from top:
Evertex, Evertex, Optimer

clockwise from
top: A. Sampaio,
Safil, Erictex



Baselayer

from top:
Schoeller
GmbH,
Schoeller
Textil AG

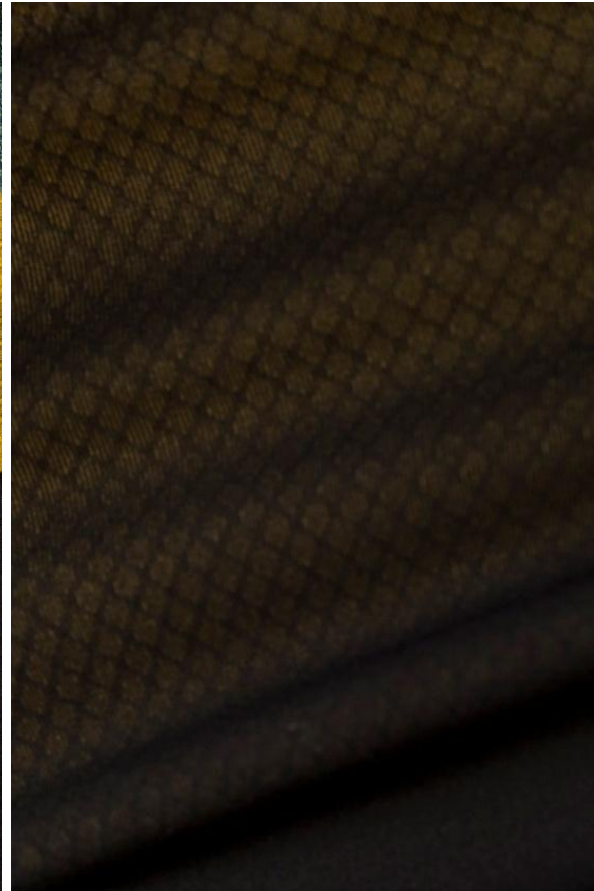
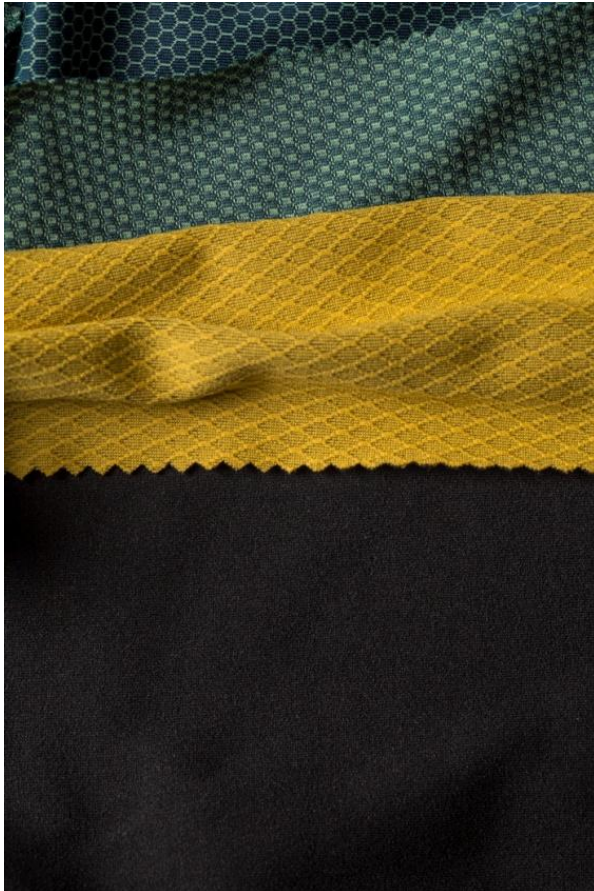


clockwise
from top:
Pontetorto,
Diyang
Merino,
Safil

Natural fibres conquer the Baselayer Category. Merino is the star, and is blended with other natural or man-made fibres like Tencel or Polyamid to improve its functional properties. Brand-new and amazing: fabrics made with the natural Kapok fibres.

Baselayer

from top:
Singtex,
Trueway



Trueway

The reliable PES, PA and EA compositions are found as well. Different mesh structures offer good moisture management and honeycomb patterns seem to be a big hit.

Baselayer



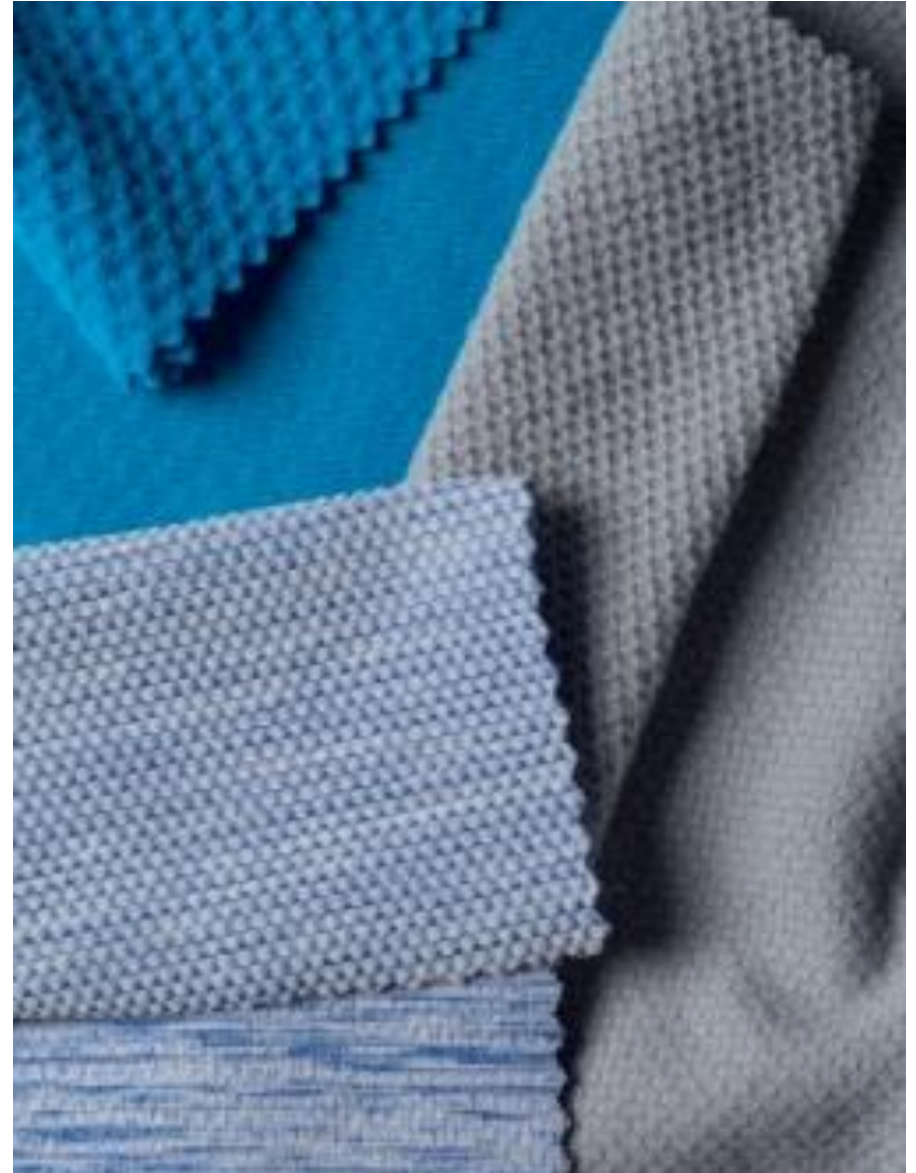
- Extremely light and soft qualities with perfect moisture management properties due to man made fibers
- Pure merino wool or blends - depending on the level of activity
- Smooth fabrics for Wellness & Yoga w/ silk or cellulose fibres (Tencel)

clockwise from top: Pontetorto, Hung's Fortune, Diyang Merino

Midlayer

Very light, but with excellent warmth retention - the new soft Midlayer fabrics offer a good hand feel. The fabrics seldom show high loft structures, the majority is thin with a low pile, but with non-standard 3D backsides.

clockwise from top: Trueway,
Tessile Fiorentina, Texxar

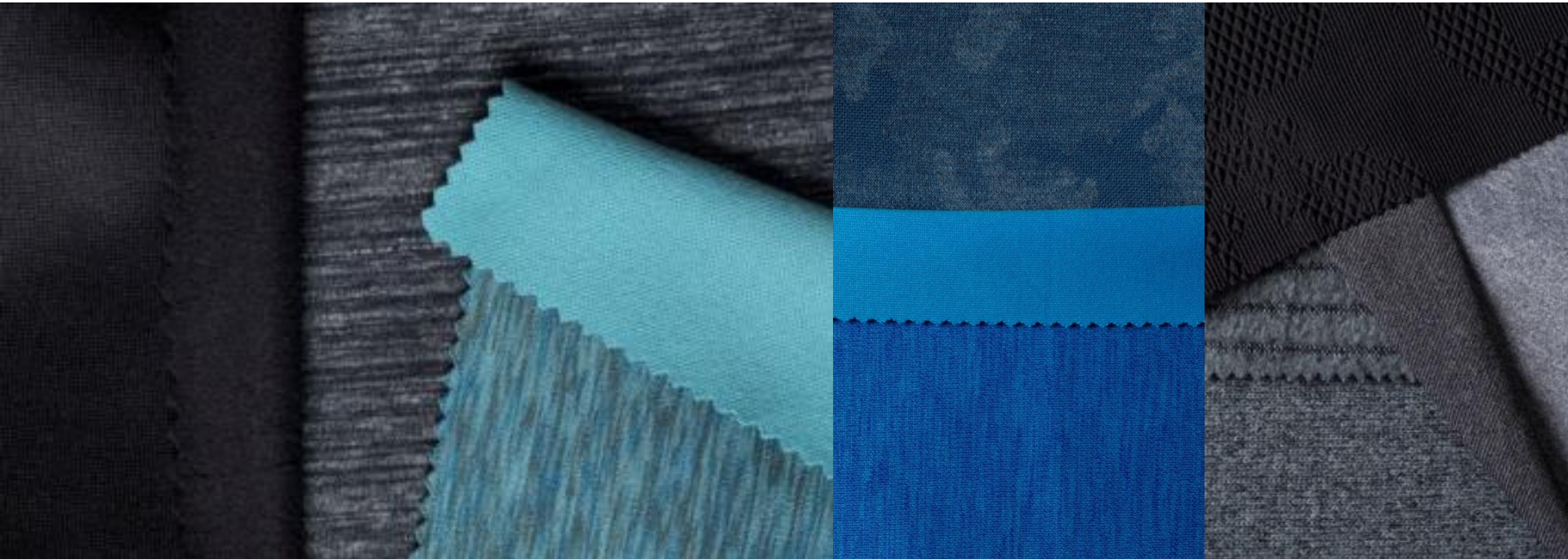


Midlayer



clockwise from
top: Labtex, Long
Advance, Yeh
Group

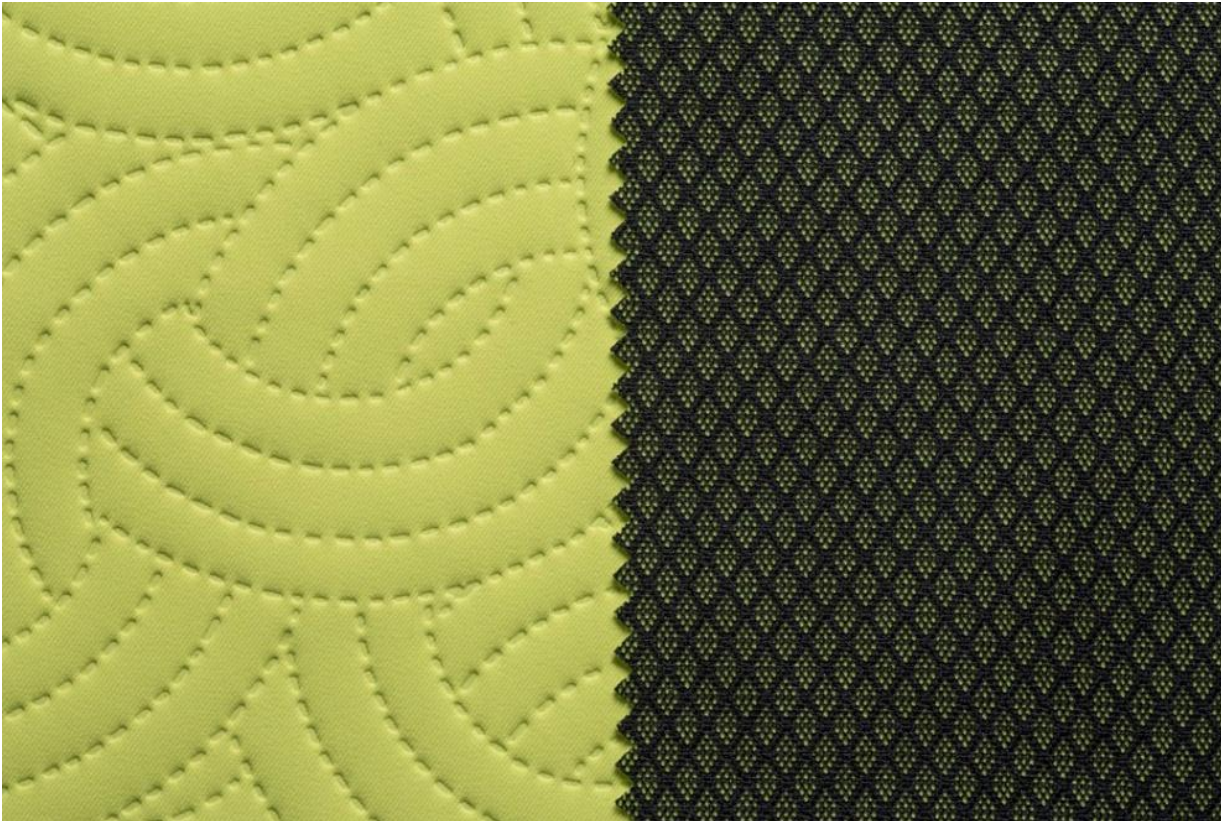
from top: Long
Advance, Labtex



- Very soft microfleece grades show new colour variations thanks to multicolour blended yarns
- New spacer fabrics with clean surfaces and performance properties

clockwise from
top: Lanificio
Becagli, Miti
Spa, iFabriX

Softshell



from left: Sunshine
Knitting, Everest
Textile

Softshell is back! For winter '17, this category offers more prints - more fashion, but at the same time more function than before. Even 4-layer quilted versions are present - soft and light, but with best protection thanks to a laminated membrane. The new softshell satisfies all wishes, the fabrics are light, very elastic, protective and rugged at the same time.

Softshell

- Broad range of looks, touch and function
- Mostly bonded, sometimes laminated
- Merino-blends and -backsides



from top: both
fabrics Evertex



from top: Maglificio
Ripa, Yeh-Group -
Drydye, Carvico

3-Layer

Solis

clockwise from top: Ya Champion,
Polartec, DAK



Natural colors and new structures - these are the two themes of the new 3-layer fabrics. Slight transparent qualities and flock-prints on the backside give a totally new look to this „high performance“-category.

3-Layer



Both fabrics: Bel Punto

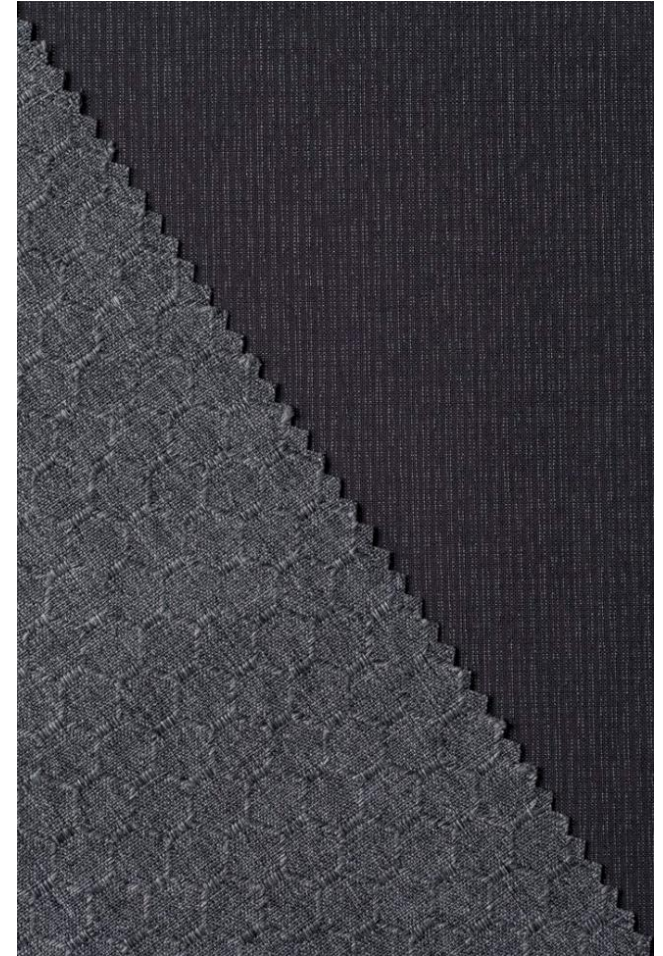
The high-performance laminates in this category feel softer than in the past, and show up in an very fashionable style. The new laminates offer a perfect combination of lightness, ruggedness, elasticity and functional properties.

2-Layer



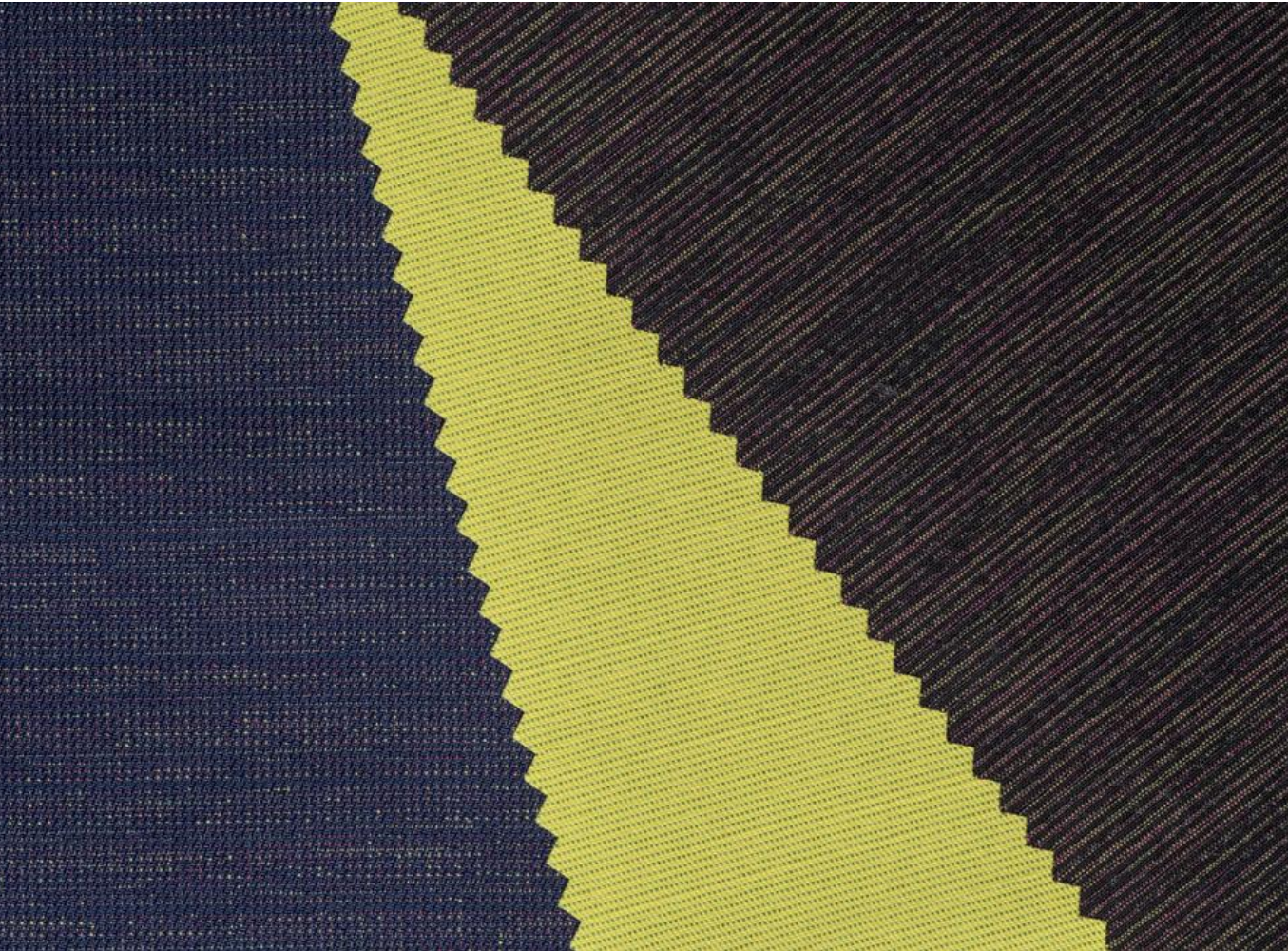
both fabrics:
BSG

from left:
Long
Advance;
Maxland



The laminates in this category feel softer than in the past, and show up in an very urban style. Natural colours, waxed surfaces and melange optics bring these fabrics into the “Athleisure” context.

2-Layer

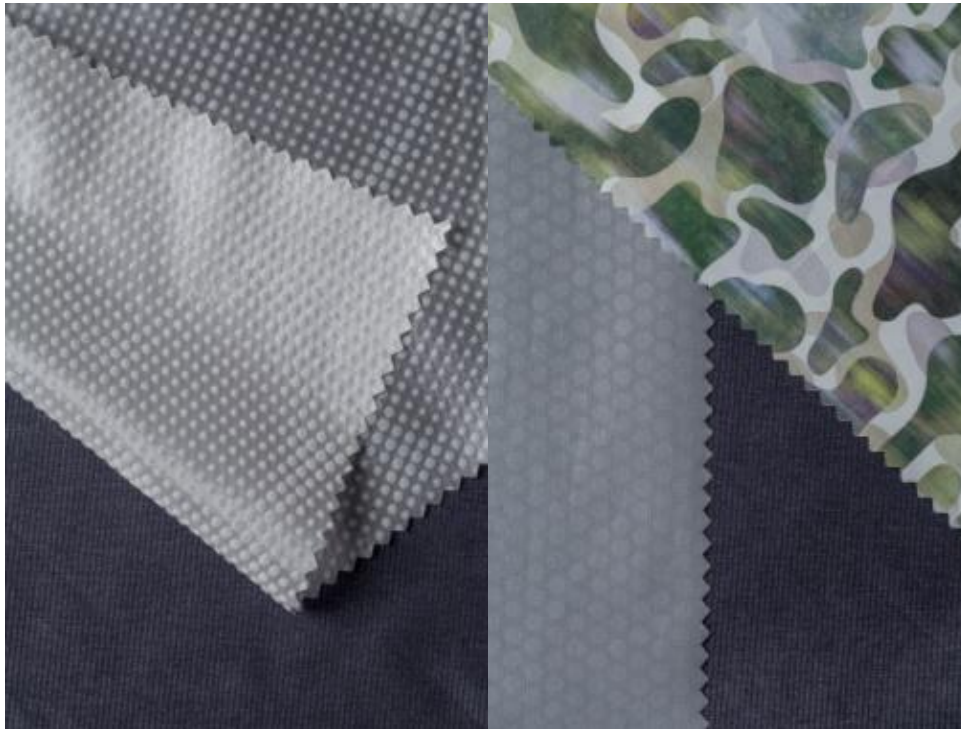


Versatility, lightweight and function come with the new 2-layer fabrics. Bio-based membranes offer sustainable solutions. Two-tone or multi-tone dobby structures, coloured laminations, canvas uppers or honeycomb patterns create the fashionable look.

from left: Long Advance, Wide Plus, Flying Tex

High Density & Lightweight

from top:
Maxland,
Poiztex



clockwise
from top:
Shinkong,
Poiztex,
Paltex



from top:
Shinkong,
Erictex

This event's lightweight table offers a great variety of fabrics suited for extra light windbreaker styles. The qualities are mostly elastic and water-resistant; sometimes they are even waterproof or downproof.

High Density & Lightweight



from top:
Serates,
Concept III
Textiles

from left:
Everest,
Poiztex

Solis

- Very fashionable new patterns and prints as leopard or batik
- Slight transparency
- New looks are created by contrast coloured flocked backings showing geometrical patterns through the transparent fabric.

Shirts & Pants

clockwise from
top: Optimer
Brands, Global
Merino,
Shinkong



clockwise from
top: Optimer
Brands, IBQ,
Flocus

- Shirt fabrics look more natural, with plain colours and less checks.
- A great variety of blends with natural fibres as Linen, Kapok, Cotton or Merino Wool improve the hand feel and satisfy all functional needs.

Shirts & Pants



from left:
Ho Yu
Textile,
Miti

from left:
Jersey
Lomellina,
Penn
Textile,
ESF,
Carvico



On this table, a new group of highly elastic woven fabrics can be found for fitness or biking pants. Their high percentage of spandex also offers compressive properties. A choice can be made between Black and more colorful versions.

Casual



from top:
Yeh-Group
- Drydye,
Labtex

from left:
Sian Tex,
Tai Erh,
Paltex,
Everest



Prints are hot for winter '17. Watercolour flowers, tie dye patterns on high pile fleece fabrics, and camouflage as the eternal theme. Different varieties of mesh offer surprising insights in baselayer and midlayer. 3D structures are a must, shown as needle punch, jacquard or embossing.

both fabrics: Ducksan

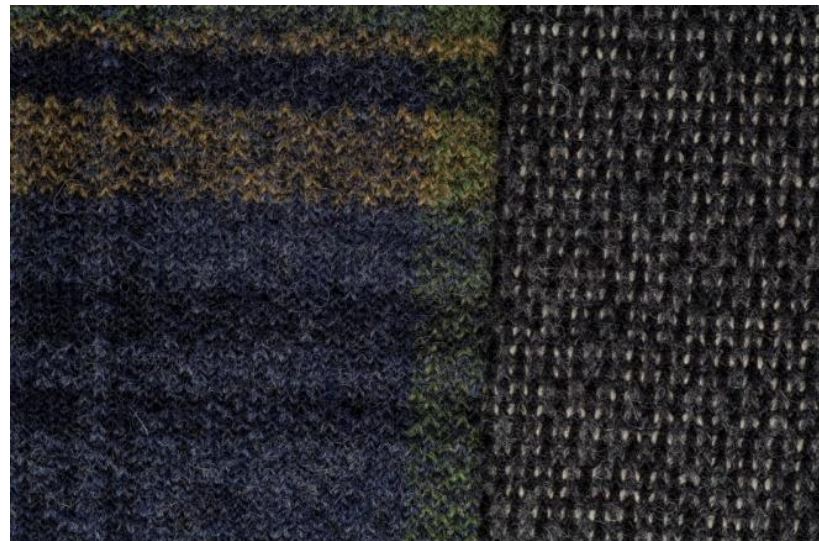


Casual

from top:
Labtex,
LJ Sports



both
fabrics:
Lanificio
Becagli



Workwear



clockwise from top: IBQ,
FOV, IBQ, IBQ

from top: A.
Sampaio, Sunshine
Knitting, IBQ

from left: Schoeller,
Labtex



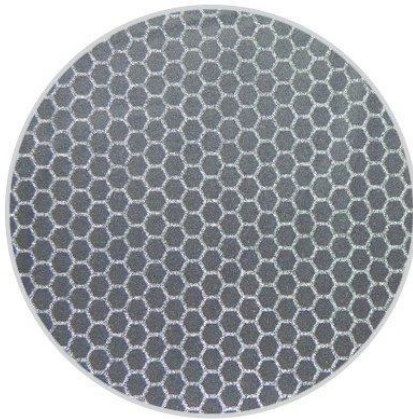
Workwear is upgraded with Heavy Use, seeming to be more fitting. The fabrics shown on this table are rugged, offer best protection from heat, cold, flames, and abrasion, but with the same “Everyday Wear“-comfort. The focus lies on soft feeling on the skin, elasticity and of course great performance.

New: Aramid fibres are crafted to 4-way-stretch-fabrics.

Innovations

Special: Visibility

The topic of "Visibility" has been further developed. In addition to offering colorful illumination with reflective prints, other new developments expertly mix reflective elements with visible fabric print motifs for a self-protective as well as a very fashionable look at sundown.



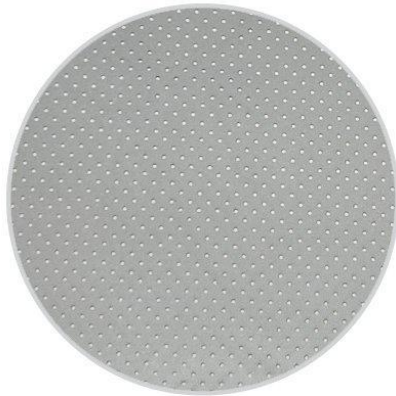
Erictex

JRC Reflex

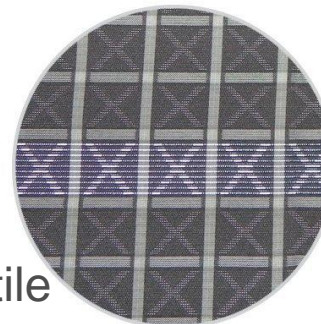
Concept III
Textiles

In Fashion

JRC Reflex



Shinkong Textile



Innovations

Dijang
Merino



Baur Vliesstoffe



Special: Insulations

A particular highlight are the new insulations. Offering intelligent warmth, being flame retardant, coming from natural fibres as wool or kapok, they show great possibilities to keep athletes bodies warm.



G-Loft



Yuan Chen