



# The biotech revolution MADE FROM NATURE TO UNLEASH YOUR NATURE

# A NEW ERA BEGINS

Technical apparel made using biomaterials from nature, carefully selected and empowered via biotechnology for maximum performance.

The ultimate meeting of nature, technology and sustainability.

WE MADE IT HAPPEN.
NATURALLY.



# NATURE OUR PRODUCT ARE MADE FROM NATURE.

Nature is a life force that knows no limits. Nature is the beginning of everything, our endless source of

**FOR YOUR NATURE** 

# BIOTECHNOLOGY WE PUSH THE LIMITS OF CONVENTIONAL FIBRES

Our mission is to replace synthetic textiles with materials derived from nature but sustainably created in the laboratory. These biomaterials overcome the limits of natural fibres and feature superior performance in terms of sweat absorption, strength and odour reduction.

# SCIENCE SCIENTIFICALLY PROVEN PERFORMANCE

Science is the objective tool we use to evaluate the performance of our products. Through rigorous scientific testing and collaboration with the CERISM research centre at the University of Verona, we are able to create increasingly high-performance products that give the athlete an extra edge.

# WHERE WE CREATE THE FUTURE AREAS (Academy for Research and Engineering in Apparel and Sport) is the 'brain' of our

AREAS (Academy for Research and Engineering in Apparel and Sport) is the 'brain' of our company. A high-tech research facility with the objective of increasing performance – of fibres, textiles, manufacturing and ultimately athletes themselves. Thanks to AREAS, we continue to increase our technological advantage over competitors.

# WHERE WE GROW OUR MATERIALS

In AREAS we are inspired by nature and its teachings.

We search for the best fibres on the basis of environmental impact and performance.

Then we enhance them through eco-friendly techniques, combine them with each other, combine functionality with purpose. This is how the most advanced biomaterials for our products are created.

# **OUR NATURAL INGREDIENTS**





BEECH CELLULOSE





**CASTOR SEED** 

EUCALYPTUS CELLULOSE

# A SCIENCE LAB

This is precisely what AREAS specialists offer in a wide range of areas like material development, textile research, engineering and sports medicine.

This is why AREAS is a laboratory equipped with the most advanced scientific equipment for testing products and athletes, including a 3D body scanner, our HYPER thermal mannequin and a climate chamber.

AREAS also benefits from the partnership with the Research Centre 'Sport, Mountain and Health' (CeRiSM) of the University of Verona, the fourth largest sports science department in the world (source: Shanghai Global Ranking). CeRiSM researchers are specialised in the analysis and testing of physical and sporting activities. The data collected contribute to the creation of truly innovative and increasingly high-performance products.

# **NRENS**

ACADEMY
FOR RESEARCH
AND ENGINEERING
IN APPAREL
AND SPORT



# THE WORLD'S LIGHTEST NATURAL FIBRE

KAPOK is a hollow fibre composed of 80% air, with a very low density (0.35 g/cm3). Because of this, Kapok is the lightest natural fibre in the world.

# **NATURALLY INSULATING**

The structure allows the KAPOK fibre to trap a large amount of body-warmed air thus creating an insulating barrier that protects against temperature changes.

# SOFT AND HYPOALLERGENIC

High-quality and soft, it dries quickly, is hygroscopic and has natural antibacterial and hypoallergenic properties.

# **TOTALLY ORGANIC**

KAPOK fibre grows wild in pristine forests, no intensive cultivation is required and the fiber is harvested by hand. No fertilizers or pesticides are used in its cultivation.

# KAPOK THE VEGETABLE WOOL

Nature never fails to amaze us. Nature gives us KAPOK, a precious and totally organic fibre obtained from the fruit of the Ceiba Pentandra, a sacred plant that grows up to 60 metres high, widespread in the rainforests of South America.

Known as 'vegetable wool' for its extraordinary lightness, KAPOK fibre has only recently been used in the textile industry for padding cushions and mattresses. We at UYN were the first to succeed in using the natural yarn in sportswear - as a fabric with exceptional active properties and not as padding.

HOLLOW-STRUCTURE FIBRE MADE 80% FROM AIR

# DERIVED FROM CORN SEEDS

FLEXICORN's polymer is produced using corn seeds, vegetable ingredients from renewable sources.

### **HIGHLY ELASTIC**

Due to the micro-zig-zag structure, it always bounces back to its original shape.

### **QUICK-DRYING**

The FLEXICORN fibre is breathable and increases the drying speed of the garment.

# FLEXICORN THE SUSTAINABLE ALTERNATIVE TO ELASTANE

FLEXICORN is a plant-based bio-polyester. Extraordinarily elastic and resilient, it keeps its original shape longer, it is wrinkle resistant and UV-resistant.

FLEXICORN has made it possible for us to replace synthetic elastane fibres with a recyclable, more sustainable and less polluting material with equivalent performance. This innovative yarn is derived from corn which isn't used for human consumption and glucose fermentation. With FLEXICORN we have reduced energy consumption, CO2 emissions and the impact of our products on the environment.



# ECOLYPT EUCALYPTUS WOOD HAS NEVER **DERIVED FROM EUCALYPTUS TREE** Sustainably sourced from the Eucalyptus tree. BEEN SO COMFORTABLE The wood obtained from Eucalyptus trees becomes ECOLYPT, a 100% sustainable fiber with exceptional properties. The characteristics of the pulp of the wood from which it is obtained give ECOLYPT strength and great elasticity. Its structure is composed of very small hydrophilic fibers that absorb up to 50% more moisture than cotton. In addition, the fiber is highly breathable, minimizes the formation of odors and thanks to its temperature regulating properties is able to **100% BIODEGRADABLE** provide a cooling effect in hot temperatures and warm in cold days. Born from nature, returns to nature. The entire production process of ECOLYPT fiber is characterized by a closed loop: all water and enzymes are recovered and reused in a further production process. **BREATHABLE** Thanks to very small hydrophilic fibres, it absorbs a large amount of moisture so that it evaporates faster.





Our commitment to sustainability has received international recognition and certification.



## **STEP BY OEKO-TEX®**

Trerè Innovation was among the first companies in Europe to obtain the SteP (Sustainable Textile Production) certification by Oeko-Tex®. This guarantees that all our textile processes for manufacturing socks, base layers and sportswear are sustainable.

Global Recycled Standard

# GLOBAL RECYCLED STANDARD

From 2021, our products comply with the standards of the Global Recycled Standard, the international organization that attests the use of yarns and fabrics coming from recycled materials and the respect of environmental and social criteria in all the production chain.

# OUR COMPANY IS COMMITTED TO A GREENER WORLD

MISSION: ZERO IMPACT

Being sustainable is a mission to be carried out day after day, without compromise, which involves our entire company. It does not only mean using environmentally friendly materials, but implementing sustainability practices at every stage of the production process: from design to the final product.

Zeroing CO2 emissions, fully recycling waste, preserving water from pollution by microplastics and chemicals. We are on the right track to achieve our goal: zero impact on the environment.





# CIRCULARITY

WE PROMOTE A ZERO-WASTE SYSTEM

# THE PROBLEM

More than four billion tonnes of waste are produced around the world every year. This has grave implications on the environment and our health. With the way the economy currently works, we are consuming more natural resources than the planet can provide and so we are rapidly using them up.

# HOW WE ARE TAKING ACTION

We recycle 100% of the textile waste we produce, about 29 tonnes each year. This allows us to avoid exploiting resources, promoting a zero-waste production system and a circular economy.

In particular, part of our waste (cuttings, fibres ... ) is used to create AIRNEST, a high-performance insulation material that we use for padding jackets and shoes. In cooperation with a specialised company, we collect textile waste and regenerate it by giving it a second chance.

# **AIRNEST**

# CIRCULAR PADDING MATERIAL

100% RECYCLED
FROM OUR OWN TEXTILE WASTE

GREATER
INSULATING
POWER

COMPARED TO TRADITIONAL SYNTHETIC PADDING

In one year at our production site we generate 29 tonnes of textile waste (cuttings, fibres).

Instead of disposing of it in landfills or incinerators, we regenerate it and turn it into a new

# TO CREATE

innovation is
AIRNEST. We use our
collected textile waste
to create this highperformance material
for padding jackets.

# REINVENTED

With Biotech we have reinvented functional apparel, in every area: from underwear to outerwear, from socks to accessories. The new lines for winter sports, running and cycling boast unique features.

# 100% NATURAL DERIVATION

No fossil fuel-derived synthetics.
Biomaterials have a low
environmental impact and high
performance.

# NEW SENSORY EXPERIENCE

Unparalleled feeling of natural softness on the skin.

### PERFECT TEMPERATURE MANAGEMENT

The structure of the bio-fibres helps create the ideal body micro-climate during physical activity.

# NEUTRALISATION OF ODOURS

The natural antibacterial effect of the bio-fibres reduces the formation of unpleasant odours and increases the feeling of freshness.

# THE FUTURE IS BIOTECH

Biotech stands for the perfect match of nature and technology, sustainability and performance. Bio, from the Greek βίος, means 'life', 'living being'. The ingredients in Biotech garments are organic, offered by nature. Technology comes from the Greek τέχνη, meaning 'art', 'skill': that of our technicians who overcome the limits of natural fibres to obtain materials with superior performance.

Biotech is the future of functional apparel. No more synthetic fibres, derived from fossil fuels with a high environmental impact, but organic-based fibres featuring extraordinary active properties. Biotech is nature surpassing itself: the new evolutionary stage in technical apparel.



# BIOTECH UNDERWEAR

100%
MADE OF NATURALLY
DERIVED MATERIALS

AMAZING FEELING OF NATURE ON THE SKIN UNMATCHED BY SYNTHETIC FIBRES



Winner

## **ISPO AWARD 2022 WINNER**

JURY STATEMENT

"This innovative material combination of bio-based fibers shows that alternatives to petroleum-based synthetics are no longer dreams of the future. The material feels great and the knit combination shows impressively that knit is a future technology"



# FUSYON BIOTECH WARMTH FROM NATURE

Move through winter with a new ally. FUSYON BIOTECH underwear harnesses the power of nature to give you a superb feeling of natural warmth and keep your body cool and dry. The thermo-regulating capabilities of fine Merino wool meet the breathable properties of the Ecolypt fibre from the Eucalyptus plant. The Natex bio-fibre guarantees maximum drying speed, while the elastic Flexicorn fibre from corn seed contributes to an ergonomic, close-to-the-body fit without compression.

#### **HYPERMOTION**

Zero-seam shoulder construction, designed for maximur freedom of movement and enhanced muscle support.

# 2 COOLVENT

The channelled inner surface promotes a constant flow of air. It quickly absorbs sweat cools the body during activity and keeps the skin dry.

### 3 HEATMEMORY

The insulating air chambers of the HEATMEMORY technology protect the body against cooling down. This is especially important when your muscles cool down after the exercise phase. Your body stays warm and efficient.

### RESIFIT

Knees and elbow joints are subject to high levels of stress during exercise. This is why these areas are enclosed with a three- dimensional chamber system in order to create an insulating layer of air around the joints.

#### DRYLIGHT

Anywhere sweat accumulates during sport, the Drylight technology by UYN® ensures wearing comfort. Thanks to its more permeable, ultra- absorbent knitting technique, moisture is quickly transported outwards.



INTENSITY

| | | |

LOW

**BIOMATERIALS** 











# MERINO WOOL SOFT, WARM AND BREATHABLE

Merino wool is famous for its minimal weight and seductively soft feeling on the skin. UYN further optimizes these outstanding material characteristics through a special manufacturing technology to achieve a pleasantly soft and a quick drying result

### MULESING FREE

We only use Merinowool from South Africa, where the cruel practice of mulesling (a process during which parts of a sheep's bends are cut off) is illegal.

## **FLEXICORN**

THE SUSTAINABLE
ALTERNATIVE TO ELASTANE
Plant-based bio-polyester from corn
seeds. Extraordinarily
elastic and resilient, it keeps
its original shape
longer.

## **ECOLYPT**

# KEEPS YOU SWEAT AND ODOR-FREE

Derived from Eucalyptus tree, ECOLYPT is composed of very small hydrophilic fibers that absorb moisture. In addition, the fiber is highly breathable and inhibits odors.

## **NATEX**

100% BIO-BASED,100% FUNCTIONAL
Derived from castor oil seeds, NATEX fibre
reduces garment weight by 25%,
dries 50% faster than conventional nylon,
is more elastic and minimises odour.





Made with High Performance Biomaterials

# BIOWINTER MOVE SURROUNDED BY NATURE

For you, winter means outdoor adventure, movement in majestic nature. The Biowinter line accompanies you with its refined functionality. Made of high-performance, plant-based biomaterials, Biowinter makes you feel in harmony with your surroundings, delivering an unparalleled feeling of warmth, softness and breathability.

# **BIOWINTER** MID-LAYER FULL ZIP

Technical mid-layer with ultra-light kapok fibre and high-performance biomaterials for breathability, insulation and comfort. Ideal for medium to low temperatures, the skin-side surface is structured with Nature Fleecy technology to mantain the perfect body micro-climate while exploring or moving fast in the mountains. The stretch knit fabric and Ergomotion shoulder design deliver maximum freedom of movement in high-exertion

- 100% MADE WITH NATURAL KAPOK FIBRE AND BIOMATERIALS
- COMFORT FIT WITH ELASTIC FLEXICORN BIO-FIBRE DERIVED FROM CORN SEEDS
- ERGOMOTION® SHOULDER DESIGN FOR MAXIMUM FREEDOM OF MOVEMENT
- TURTLENECK FOR EXTRA PROTECTION AGAINST THE COLD
- **♦ FULL-LENGTH ZIP**
- **♦ TWO SIDE POCKETS WITH ZIP CLOSURE**
- ♦ ELASTICATED CUFFS AND WAISTBAND



#### **ERGOMOTION®**

Exclusive shoulder construction that follows the shoulder blade profile delivering maximum freedom of movement.

#### **NATURE FLEECY**

The natural kapok fibre fabric is structured with micro-loops that retain air thus providing extraordinary thermoregulation and pleasant softness on the skin.







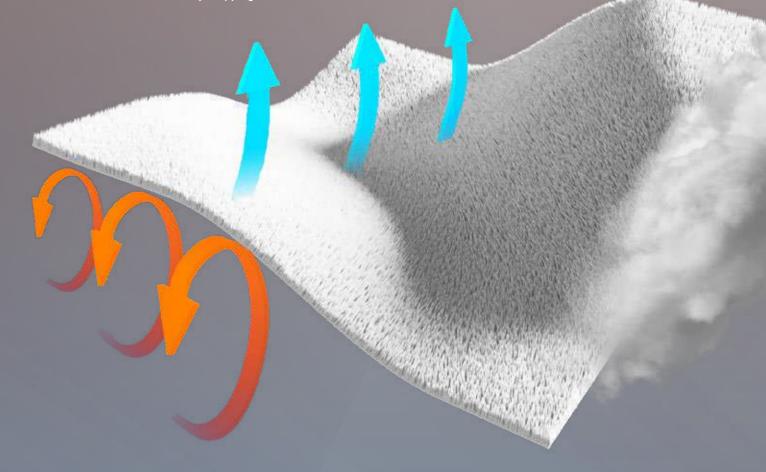


**BIOLIGHT FLEXICORN** 



# NATURE FLEECY WARMER, SOFTER, MORE NATURAL

NATURE FLEECY is an exclusive UYN manufacturing technique that allows natural fibres such as kapok or Merino wool to be knitted in a way that creates an extraordinarily soft, airy and highly insulating surface in contact with the skin. Unlike traditional brushed finishing (a mechanical process that consists of rubbing the fabric to produce fine fibres), NATURE FLEECY has an even greater softness and insulating power. Its density can also be varied to create highly breathable areas based on the body mapping



# **BIOWINTER HOODED MID-LAYER**

Lift the hood over your head and get ready for new winter adventures. With this technical Biowinter mid-layer you will experience a new feeling of natural comfort during your activities in cold conditions. Made of ultralight kapok fibre and high-performance biomaterials, the Biowinter mid-layer keeps your body warm and ventilated, dries sweat quickly and adapts to your movements. The Nature Fleecy technology of the inner fabric improves body temperature management and wins you over with its softness.

- 100% MADE WITH NATURAL KAPOK FIBRE AND BIOMATERIALS
- COMFORT FIT WITH ELASTIC FLEXICORN BIO-FIBRE DERIVED FROM CORN SEEDS
- ERGOMOTION® SHOULDER DESIGN FOR MAXIMUM FREEDOM OF MOVEMENT
- ♦ HOOD WITH ADJUSTABLE DRAWSTRING
- **♦ KANGAROO POCKET**
- ♦ ELASTICATED CUFFS AND WAISTBAND



#### **ERGOMOTION®**

Exclusive shoulder construction that follows the shoulder blade profile delivering maximum freedom of movement.

#### **NATURE FLEECY**

The natural kapok fibre fabric is structured with micro-loops that retain air thus providing extraordinary thermoregulation and pleasant softness on the skin.











EGO MERINO **MID-LAYER** 

The UYN Ego Merino mid layer is a mix of refinement and functionality for outdoor winter sport and urban living. Bold and pioneering, like the materials used to make it: fine Merino wool, Biolight fibre from the beech tree and the elastic Flexicorn yarn from corn seeds. The combination of these evolved biomaterials provides an unparalleled feeling of

- 100% MADE WITH MERINO WOOL AND BIOMATERIALS
- COMFORT FIT WITH ELASTIC FLEXICORN BIO-FIBRE DERIVED FROM CORN SEEDS
- HIGH COLLAR FOR EXTRA PROTECTION AGAINST THE COLD











BIOLIGHT FLEXICORN



**MERINO** 

# SKI ONE BIOTECH

The first bio-tech ski socks for race performance. Made from 100% kapok, the world's lightest natural fibre, and plant-based materials, Ski One Biotech socks fit the feet like a second skin and boost their natural functions. Kapok provides extraordinary thermoregulation, Biolight fibre from the beech tree increases durability and breathability. Natex from castor oil seeds makes the sock 50% faster drying. The result is perfect temperature management for feet that are always dry and ventilated. Ski One Biotech socks are made with Zerocuff technology, without elastic at the top, for superior comfort and improved blood circulation.

No elastic at the top. The sock does not tighten the leg, leaves no marks on the skin and promotes blood circulation for better performance.

3D micro-channel structure for air circulation; keeps feet dry and at a comfortable temperature.

3 SHIN PROTECTOR

Frontal cushioning protection that simultaneously guarantees air flow.

INTERICOR ANKLE GUARD

Asymmetric malleolus protection integrated in the shin.

ERGOLOGIC FOOTBED

Anatomically shaped footbed for athletic stresses and movement.

TARGET COMPRESSION BANDAGE

Double asymmetric bandage with perspiration integrated. For localized compression exactly where needed.

PRESHOCK SHIELD

Absorbs shocks and protects the sensitive Achilles tendon with a 3D knitted structure.



**LOW** 

**BIOMATERIALS** 



KAPOK







# **BIOWINTER**

Warm and cosy to wear, the Biowinter beanie wins you over with its extraordinary natural comfort feel. The high-quality mix of natural kapok fibre and plant-based biomaterials makes this cap insulating, breathable and quick-drying. Perfect for outdoor sports in winter as well as for urban



- 100% MADE WITH MERINO WOOL AND
- COMFORT FIT WITH ELASTIC FLEXICORN BIO-FIBRE DERIVED FROM CORN SEEDS
- HIGH COLLAR FOR EXTRA PROTECTION AGAINST THE COLD

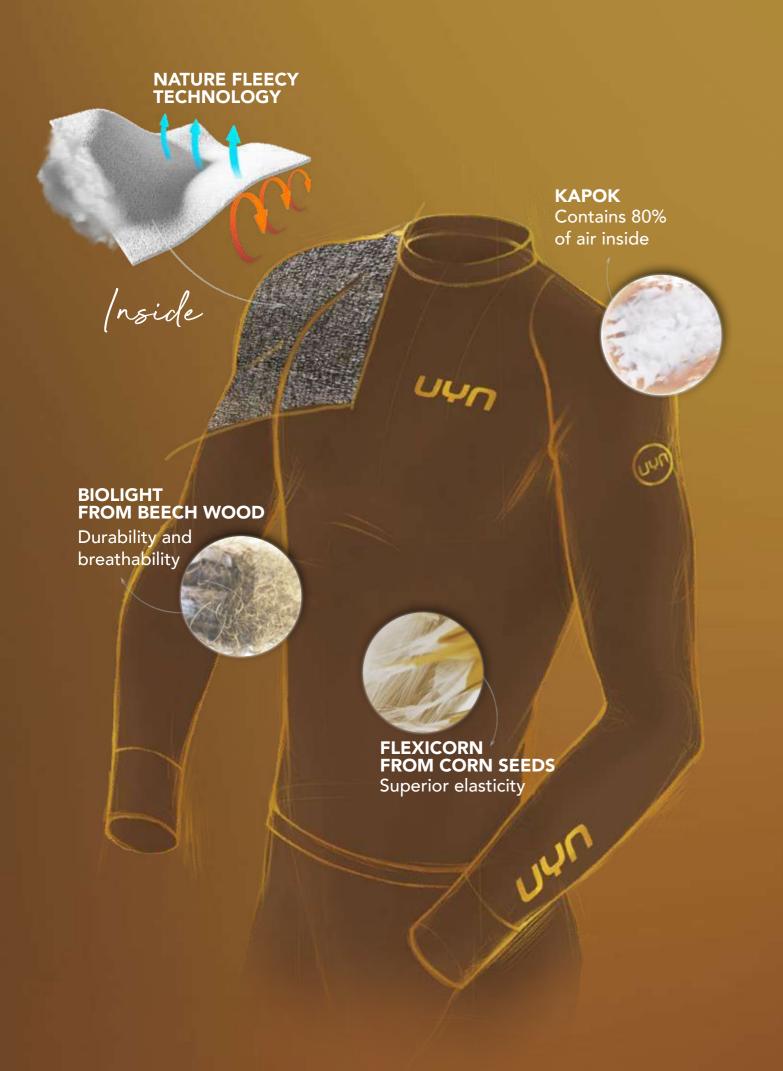
#### **NATURE FLEECY**

The natural kapok fibre fabric is structured with micro-loops that retain air thus providing extraordinary thermoregulation and pleasant softness on the skin.



BIOLIGHT FLEXICORN

**KAPOK** 



# BIORUN RUN POWERED BY NATURE

When you run everything must be perfectly synchronised. Your body, the muscles that release energy, the fibres that contract, the mind that governs movement. UYN Biorun apparel is designed to synchronise your inner nature with outer nature through biomaterials that draw their strength from nature. Run in a new era, turn your running into biorunning.

# **BIORUN LONG-SLEEVED SHIRT**

The biotech shirt that pushes you to run further. Made of kapok, a natural fibre consisting of 80% air, ultra-light and heat-insulating, it keeps the body warm in cold conditions and quickly transports sweat away from the skin. The sophisticated mix of biomaterials provides you with a new feeling of

- 100% MADE WITH NATURAL KAPOK FIBRE AND BIOMATERIALS
- ♦ ELASTICATED CUFFS TO SEAL THE COLD OUT
- REFLECTIVE REAR LOGO TO KEEP THE RUNNER SAFE AT NIGHT



#### NATURE FLEECY

The natural kapok fibre fabric is structured with micro-loops that retain air thus providing extraordinary thermoregulation and pleasant softness on the



### BIOMATERIALS







**ECOLYPT** 



# **BIORUN**

Biorun pants are made from natural kapok fibre and plant-based materials. Super soft against the body, they provide a unique feeling of natural comfort. They keep you warm on cold runs and are exceptionally breathable and dynamic.



- 94% MADE OF NATURAL KAPOK FIBRE AND BIOMATERIALS
- NO NEED FOR DRAWSTRINGS, THE ELASTICATED WAISTBAND IS OPTIMISED TO GIVE STABILITY WITHOUT COMPRESSION
- BACK POCKET WITH WATERPROOF LINING AND ZIP CLOSURE. DESIGNED TO KEEP YOUR SMARTPHONE OR OTHER ESSENTIALS SNUG AND SAFE
- REFLECTIVE REAR LOGO TO KEEP THE RUNNER SAFE AT NIGHT



#### **NATURE FLEECY**

The natural kapok fibre fabric is structured with micro-loops that retain air thus providing extraordinary thermoregulation and pleasant softness on the skin.



**NATEX** 









BIOMATERIALS

**ECOLYPT** 

**BIOLIGHT** 

**KAPOK** 

# **BIORUN** 2 IN 1 PANTS

The Biorun 2-in-1 pants provide you with the support of leggings and the coverage of shorts. Made from natural kapok fibre and plant-based materials, they are super-soft against the body, exceptionally temperature-regulating and breathable. Ideal for running in medium to low temperatures. Reach your goals powered by a new feeling of natural

- ♦ 60% MADE WITH NATURALLY DERIVED MATERIALS
- ♦ DRAWCORD ON ELASTIC WAIST
- BACK POCKET WITH WATERPROOF LINING AND ZIP CLOSURE. DESIGNED TO KEEP YOUR SMARTPHONE OR OTHER ESSENTIALS SNUG AND SAFE.
- REFLECTIVE REAR LOGO TO KEEP THE RUNNER SAFE AT NIGHT

#### NATURE FLEECY

The natural kapok fibre fabric is structured with micro-loops that retain air thus providing extraordinary thermoregulation and pleasant softness on the

BIOMATERIALS

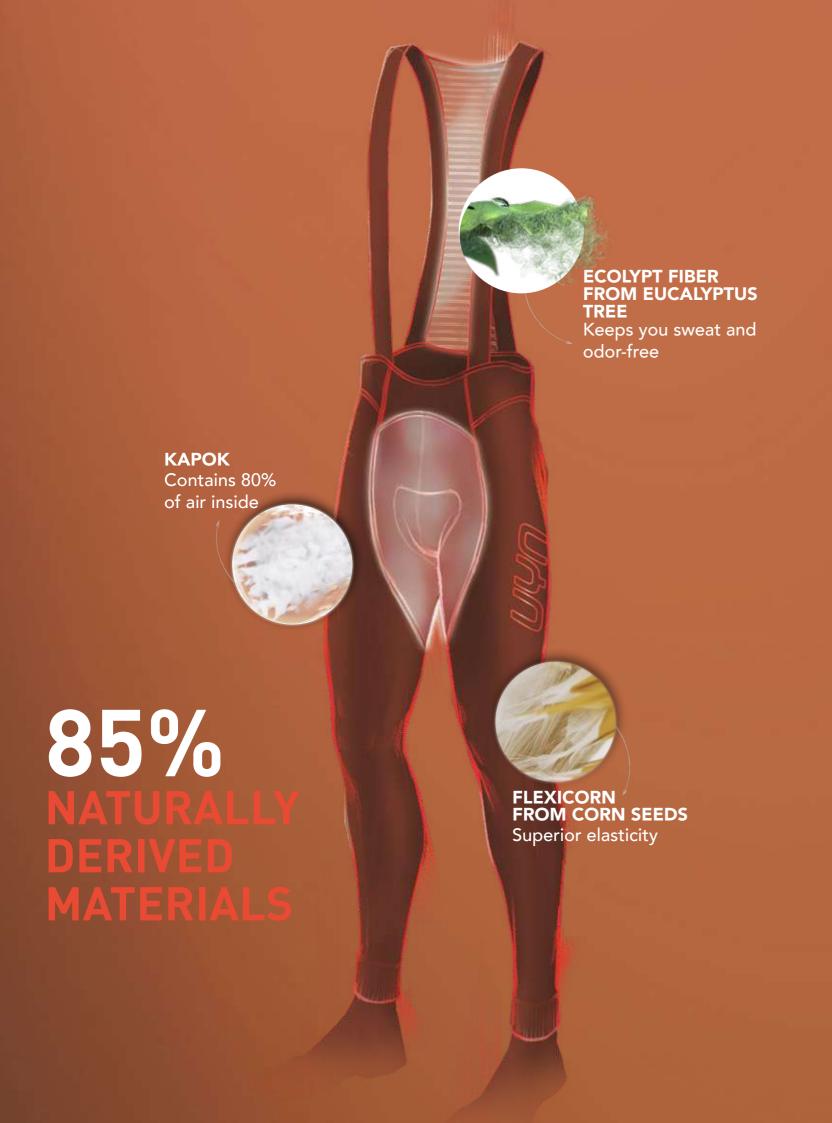


KAPOK









# BIORIDE THE NATURAL EVOLUTION OF CYCLING APPAREL

From the best cyclists, we have learnt that you should not fight against the natural elements - a challenging climb, a headwind or a rainy day - but use them to your advantage. The UYN Bioride line harnesses the endless power of nature through biotechnology to deliver the perfect combination of comfort and performance under all conditions. It's time to sprint into a new era. Turn your ride into

# **BIORIDE LONG-SLEEVED SHIRT**

The UYN Bioride long-sleeved shirt pairs insulation and breathability in a totally innovative way. The main body fabric is a technical knitted fabric made from the natural fibre kapok, which is ultra-light and extraordinarily insulating, and the Biolight yarn from beech wood, which is durable and breathable. This structure with high-performance biomaterials offers better management of the body's microclimate on rides in mild temperatures, wicks away sweat quickly, and provides a feeling of natural comfort unmatched by traditional synthetic fibres. Thanks to the Ergomotion® shoulder construction, the shirt has a perfect fit and adapts to every movement without constraints.

- ♦ 85% MADE OF NATURAL KAPOK FIBRE AND NATURALLY DERIVED MATERIALS
- THANKS TO THE ELASTIC FLEXICORN YARN FROM CORN SEEDS, THIS SHIRT PERFECTLY ADAPTS TO THE BODY IN THE CYCLING POSITION WITHOUT BEING RESTRICTIVE. IT REMAINS SNUG TO THE BODY WITHOUT FLAPPING IN THE WIND THUS PROVIDING MAXIMUM PERFORMANCE
- ANATOMICAL NECK DESIGNED TO SUIT THE CYCLIST'S POSITION IN THE SADDLE AND TYPICAL HEAD MOVEMENTS. **RESULT: OUTSTANDING FIT AND SUPERIOR COMFORT**
- ERGOMOTION® SHOULDER CONSTRUCTION FOR PERFECT FIT AND MAXIMUM FREEDOM OF MOVEMENT
- THREE-COMPARTMENT BACK POCKET FOR FOOD AND **ESSENTIALS**
- ASYMMETRIC WAISTBAND, LONGER IN THE BACK AND WITH **SILICONE GRIPPER TO PREVENT RIDE-UP**



#### **ERGOMOTION®**

Exclusive shoulder construction that follows the shoulder blade profile delivering maximum freedom of movement

#### **NATURE FLEECY**

The natural kapok fibre fabric is structured with micro-loops that retain air thus providing extraordinary thermoregulation and pleasant softness on the skin.

#### **BIOMATERIALS**



**KAPOK** 







### **ECOLYPT**

# **BIORIDE BIB TIGHTS**

Naturally different. The UYN Bioride bib tights are made from next-generation materials derived from nature to provide you with high performance and a feeling of comfort unmatched by traditional synthetic fibres. The main fabric is made from ultra-insulating kapok fibre and the highly breathable Biolight yarn from beech wood. This combination allows perfect management of the body's microclimate during rides in mild and cold temperatures. The Flexicorn yarn from corn seeds delivers elasticity and resilience for great freedom of movement. If you are engaged in a very long ride, the four-level density HP4D pad will not fail to support you, while the back panel will keep you sweat-free thanks to the properties of the Ecolypt fibre from the Eucalyptus plant.

- ♦ 85% MADE OF KAPOK FIBRE AND NATURALLY DERIVED MATERIALS
- THE SEAT AREA FEATURES AN ABRASION-RESISTANT FABRIC WITH AN **ECO-FRIENDLY FLUORINE-FREE WATER-REPELLENT TREATMENT FOR ADDED PROTECTION AGAINST WATER SPRAY**
- **ERGONOMIC CONSTRUCTION WITH FLAT SEAMS IN STRATEGIC** POSITIONS TO SUPPORT PEDAL STROKE WITHOUT CAUSING PRESSURE OR SKIN IRRITATION.
- ZERO-THICKNESS ELASTIC BRACES PROVIDE EXTREME COMFORT AND STABILITY
- THE BRACES ARE CONNECTED AT THE BACK BY A PANEL MADE OF ECOLYPT FABRIC FROM EUCALYPTUS TREE: IT QUICKLY TRANSPORTS SWEAT TO THE OUTSIDE AND KEEPS THE SKIN COMFORTABLY DRY
- ♦ HP4D PAD WITH FOUR DENSITY LEVELS, DESIGNED AND TESTED FOR LONG DISTANCES
- THE PAD IS CONNECTED TO THE SHORTS THROUGH A THREE-STITCH SEAM THAT DOES NOT PUT LIMITS TO THE ELASTICITY OF THE FABRIC AND ALLOWS IT TO ADAPT TO THE MOVEMENT OF THE LEGS

#### HP4D PAD

The HP4D pad is the result of cutting-edge construction technology that guarantees an amazing fit and saddle stability. The four-level density construction (from 60 kg/m3 up to 200 kg/m3) provides protection during extra long rides (over seven hours) and pressure relief in the perineal

In the front and where the bones rotate, a special ultra-high density insert (200 kg/m3) with a mixed cell structure delivers unprecedented elastic recovery: the most advanced solution for the needs of raceoriented cyclists and endurance riders.

> The top fabric guarantees a smooth and soft surface featuring an innovative micro-hole system for moisture wicking and cooling.

#### **BIOMATERIALS**

**NATURE FLEECY** 

The natural kapok fibre fabric is structured with micro-l

that retain air thus pro extraordinary thermorego and pleasant softness on th









**ECOLYPT FLEXICORN BIOLIGHT** 

**KAPOK** 

# SHIFTER REVERSIBLE VEST

UYN SHIFTER is the innovative and ultra-versatile vest that aids body temperature regulation and increases protection during road or off-road rides in changing weather. The main structure is made of 3D knit fabric with natural kapok fibre and Biolight bio-fibre from beech tree. The combination delivers perfect insulation together with extremely high breathability. Thanks to the elastic Flexicorn yarn, derived from corn seeds, the vest adapts perfectly to the body without constriction. The front features a three-layer construction with Membrain115 (water column 20,000 mm, breathability 20,000 g/m2/24h) to protect the most sensitive parts of the body from water and wind. The UYN SHIFTER vest has a reversible design: choose the side you prefer according to the occasion.



- THANKS TO THE ELASTIC FLEXICORN YARN FROM CORN SEEDS, THIS VEST PERFECTLY ADAPTS TO THE BODY IN THE CYCLING POSITION WITHOUT BEING RESTRICTIVE. IT REMAINS SNUG TO THE BODY WITHOUT FLAPPING IN THE WIND
- THE FRONT FEATURES THE PATENTED MEMBRAIN115 MEMBRANE (WATER COLUMN 20,000 MM, BREATHABILITY 20,000 G/M2/24H) FOR INCREASED PROTECTION AGAINST WATER AND WIND
- THE THREE-DIMENSIONAL STRUCTURES OF THE 4-WAYS VENTILATION TECHNOLOGY BUILT INTO THE FABRIC PROMOTE AIR CIRCULATION FOR OPTIMAL BODY TEMPERATURE MANAGEMENT
- ♦ THE REAR OPENING ALLOWS CONVENIENT ACCESS TO THE SHIRT POCKETS
- REVERSIBLE DESIGN: THE VEST CAN BE USED WITH THE THREE-DIMENSIONAL KNITTED SIDE FACING INWARDS TO INCREASE SWEAT DISPERSION AND VENTILATION. OR OUTWARDS TO CHANGE YOUR STYLE WHEN OFF THE BIKE

#### **MEMBRAIN 115**

Waterproof and breathable at the same time. UYN's exclusive intelligent membrane sets completely new standards in terms of weather protection, elasticity and wearing comfort.

## 4-WAYS VENTILATION

On the inside, fine 3D ribs are incorporated in the fabric to create a 2mm gap between skin and fabric and allow air to circulate more freely.

#### **BIOMATERIALS**







UYN

# **MEMBRAIN 115**

#### **BREATHABILITY AND PROTECTION**

The membrane attached to the knit structure is extremely flexible and adapts perfectly to the elasticity of the knitted fabric. Thanks to its construction, Membrain115 is waterproof yet breathable, windproof and extremely durable.

#### STRUCTURE WITH FUNCTION

Membrain115 is a smart membrane with high functional added value and 115% feel-good factor. The different functional zones flow into each other, thus supporting your body during all activities and ensuring perfect body regulation.

#### **COMFORT AND ELASTICITY**

Combined with the innovative Seamless technology, Membrain115 sets completely new standards in terms of elasticity and wearing comfort. Flexible and without annoying seams, every item of clothing fits like a second skin and allows optimal freedom of movement.

#### Patent no. 102017000117330

#### 3D KNIT

HIGH-ELASTIC MEMBRANE

