X-BIONIC® FUNCTIONAL UNDERWEAR ORDERCATALOGUE



BIONIC MEANS LEARNING FROM NATURE. X-BIONIC® MEANS SURPASSING IT.



The human body functions optimally at its preferred temperature of 37°C. It consumes the least energy, and is effective and durable.

To guarantee this preferred temperature even in hot environments, nature provided man with a highly efficient air conditioning system: sweat. X-BIONIC® Underwear supports this natural air conditioning system, harnessing the cooling function of the sweat film instead of allowing it to dry up like traditional active undergarments.

We learn from nature here

At the same time, X-BIONIC® Underwear offers effective thermal insulation to prevent overcooling when the sporting is finished. This is the first article of clothing to effectively cool when you sweat and heat when you're cold.

And that's where we leave nature behind.

X-BIONIC® is a revolution. Can be worn like underwear, better than nature, and designed with the demands of sport in mind.

Keeps you warm when you're cold cools when you're sweating.

Shivering and sweating are the body's methods of maintaining its preferred temperature of 37°C – but they both consume energy. Supporting your body when you sweat and protecting it against freezing improves your ability to perform. Read on inside to learn just how X-BIONIC® Underwear achieves this.

THE RENOWNED FRENCH MAGAZINE <TREK> PASSES IT'S VERDICT

BIONIC® FUNCTIONAL UNDERWEAR. WINNER IN COMPARISON TEST.

Compared with 24 of the world's leading functional underwear manufacturers.



«Avant-garde technology ... the most modern thermal underwear available.»



TREK Magazine issue 04/2005

ENHANCED PERFORMANCE WITHOUT DOPING.

Our bodies produce different amounts of heat in different places. X-BIONIC® Underwear reacts to this with pinpoint precision and supports the body in maintaining its preferred 37°C temperature. The first proof comes through a regulated release of warmth without the risks of overcooling: you conserve precious energy for your ability to perform.



ENERGY ACCUMULATOR™ HIGH.IMPACT			
NEW	Shirts & Pants Men Shirts & Pants Women Extra Warm Men + Women	08-13 14 - 17 18-19	
NEW	Energy Accumulator for Trekking, Hunting, Sailing & Riders	20-21	
BIONIC ENERGIZER™ MID.IMPRCT			
	Shirts & Pants Men Shirts & Pants Women	22 -33 34 -45	

BIONIC VITALIZER™

Shirts + Pants Men	46 - 51
Shirts + Pants Women	52 - 57
«24/7 Bionic®» Shirt + Boxer Shorts Men	58

COOLS WHEN YOU'RE SWEATING.

The cooling effect of X-BIONIC® UnderGear is only activated once you start sweating. Its clever regulation system works with the most reliable of starters: your sweat. One of a kind, effective and always just in time with its cooling power. Regulated climate control, developed by scientists, tested by endurance athletes.

1 ISO-Shoulder

Garments often hang heavily on the shoulders. Add wind and the weight of rain, and garments for the upper body frequently sit tightly on the shoulder™ forms an insulating layer to keep penetrating cold at bay. The material is formed in gentle waves that leave channels instead of lying flat, providing space for air at body temperature. Outstanding protection against chilly upper body garments.

AirConditioning Channel®

in the chest area are part of the climate channel system. Physiological studies have shown that the chest area is an optimal zone for quick and effective air conditioning. Exchanging fresh air over a channel system cools the chest area without spreading a "cold" sensation throughout the body. The constant air movement along the AirConditioning Channel® also draws moisture away from the sweat zones just as effectively.

Innerlap AirConditioningZone™

In terms of muscle performance, the inner thigh is less reactive to cold. We all instinctively know tthis: when our hands are cold, we put them between our thighs to warm them up, helping us re-establish our overall sense of warmth more quickly. The Innerlap AirConditioning ZoneTM has been placed in this area. It is a finely knit fabric mesh with zero insulation function. Cooling therefore occurs initially through the exchange of air. This cooling performance increases as soon as sweat appears to be evaporated, since this process is active directly next to the skin.

InsulationPads™ on the upper thigh assist the retention of heat in the thigh muscles. Under-cooled muscles are susceptible to injury, and strongly under-cooled muscles can feel numb. Even more dangerous is when the cooling slows the muscle reaction time, leading to the threat of muscle injuries and increased accident risk. This increase can be as much as 60% in the case of skiing, for example. Insulation-Pads™ reduce such risks. Shaped like waves, their cushions sit with a large surface above the exterior thigh musculature, thereby retaining the necessary heat next to the body to maintain muscle performance.

3D-BionicSphere® System* in the chest area provides cooling.

6 3D-BionicSphere®-System* under the armpits, processes large amounts of sweat.

7 ISO-Pad™* on the hips, holds warmth on the body.

8 ElbowPad™*
protects elbows from the cold.

ExpansionKnee™*

protects knees from the cold.

* for more information, please see the detailed descriptions.

Version 2.0

Constant product improvement.
Technical innovations flow constantly into our products.
To help us determine which product version you own, we've sewn the version number for version 2.0 and newer products into the interior of the cuff of the X-BIONIC*
UnderGear. Version 2.0 either has no version number or a 2.0 is already sewn in.



KEEPS YOU WARM WHEN YOU'RE COLD.

8

11

You know that unpleasant feeling of having just sweated and then getting goose bumps afterward. Your body is sounding the alarm: Caution, overcooling risk. X-BIONIC® UnderGear prevents these chills. If no sweat is present, then a unique process uses air heated by the body as thermal insulation.

AirConditioning Channel™

is a ventilation system of channels that flow around the body, continuously carrying away moisture and warmth. It allows air to pass to body regions not normally accessible through fresh air circulation.

II AirGuides™

work like spacers and borders along the AirConditioning Channel®. The AirConditioning Channel® must be combined with the AirGuides™ for winter use. The AirGuides™ ensure proper distance for heavy, winterised upper body garments and ensure a highly effective flow volume of fresh air through the AirConditioning Channel®.

12 ISO-CalfPad™

Calf muscles can cool down quickly, particularly after short pauses and even if the overall body is still heated. This can lead to the risk of injury.

The ISO CalfPad™ retains the body's warmth. Here too the knitted fabric settles itself in a wavy shape over the skin, forming channels for storing air in a manner similar to the ISO-Shoulder™ (1). The body-temperature air retained in these channels decisively delays the cool-down of the calf musculature and adjusts to the body's overall perception of warmth.

3D_RignicSphere®_System*

in the lumbar area provides cooling without the risk of overcooling.

14 AirConditioningSpot™*

cools the knee without overcooling.

* For more information, see the detailed description.



X-BIONIC® UNDERWEAR IS A REGISTERED TRADEMARK OF X-TECHNOLOGY SWISS.

THE KNEE:

9 ExpansionKnee

A knee can bend up to 160°. It's hard for undergarments to keep up with that without thinning out and hence losing their warming functionality. The accordion principle behind the ExpansionRibs™ improves its insulating character rather than losing it when the knee is bent. A system of chambers and channels provide insulation by storing warm air inside; they are highly flexible in unfolding themselves during movement.

The thermal image demonstrates the protection

14 AirConditi

The hollows of the knee sweat quickly and heavily. To process this sweat, a fine knitted mesh allows moisture to pass through but does not hinder knee movement Sweat evaporates and is pushed outward through the body's warmth. The risk of cooling down does not exist in this small area.



The thermal image demonstrates the high heat permeability of the hollow of the knee (red colouration).

The novel High Impact Technology™ of the X-BIONIC® Energy Accumulator™ series creates a light pressure on the body.

Without restricting freedom of movement or influencing the fit, this pressure stimulates one's sense of the body. The entire movement process becomes more precise and efficient - your muscle performance improves.

Reduces muscle vibration



Muscle activity produces high frequency vibrations that are not initially perceptible. When the muscles grow tired, the frequency of the vibration grows slower. The fluttering of the exhausted muscle becomes perceptible. It is powerless. The High Impact TechnologyTM of X-BIONIC^T Energy AccumulatorsTM stabilises muscles



The High Impact Technology™ of the X-BIONIC® Energy Accumulators™ has a stabilising influence on the blood vessels. By supporting these vessels the circulatory system is unburdened and oxygen and nutrient provision is improved. Through speedy return flow of the expended blood to the performance-enhancing oxygen and nutrients.

THE SUPERIORITY IS IN THE DETAIL.

8

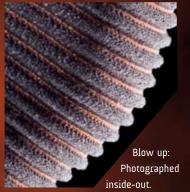
The ExpansionRibs™ that form the elbow cushion work similarly to the knee area, but are finer.

The knitted fabric folds apart based on the accordion principle, insuring that winter cold doesn't cool down the elbows.

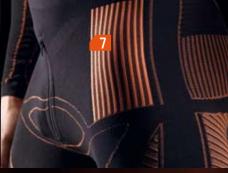
Even when sharply bent, the insulating effect is maintained through warm air stored in the interior. The flexibility of the ExpansionRibs™ and the elasticity of the yarn allow a frictionless

freedom of movement. Even sports with continuous arm movement, such as Nordic Walking, produce no symptoms of musculature exhaustion from the movement of the Expansion-Ribs™.











ohere®-System under the arm

Of the 3 million sweat glands in our skin, almost 300 per square centimetre are located in the armpits, twice as many as on the forehead. Sweat production gets underway there even when our muscles are just warming up. To prevent sweat leaks from the beginning, we've radically expanded the Evaporation Surface Expander $^{\text{\tiny{TM}}}$ in this area to help process sweat from the SweatTraps™.



In winter, targeted insulation of individual body parts against ambient coldness can prevent the body from getting cold. This is why ISO Pads™ over the hipbones and the finer ISO Pads™ on the buttocks retain body heat that is necessary to guarantee interior organ functionality.

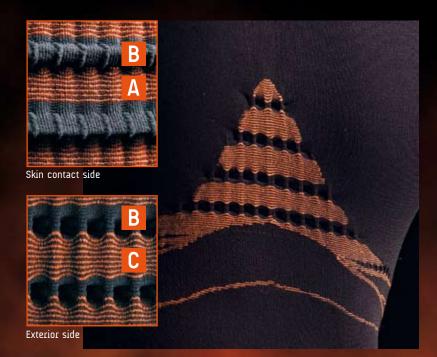
15

The sweat of the lower back area is conducted through the 3D-BionicSphere® system to the tailbone for evaporation.

The SweatTraps™ on the lower back are targeted specifically at catching sweat flowing toward the buttocks. This first phase, which often leads to friction sores, is interrupted before it can even begin.



REDUCE SWEAT, DON'T PREVENT IT.



- A InnerAirChannel™ are channels that store air in the interior of the 3D-BionicSphere® system. Their surface lies up to 5mm from the skin and from there leads into the Evaporation Surface Expander™.
- OuterAirChannel™ These channels deliver fresh air into the 3D Bionic Sphere® System, ventilating the SweatTraps™.

 The air is warmed here, quickly becomes saturated with moisture and is replaced continuously by the subsequent flow of cold, fresh air; the ventilation circulates actively for as long as the body continues to
- Evaporation Surface Expander™ can absorb and evaporate a great deal of moisture. The use of fragmented fibres greatly increases the evaporation surface. With fresh air streaming through, significant amounts of moisture are forced away through the dynamic of the body's heat

Das 3D-BionicSphere®-System leaves residual moisture on the skin that the body does not interpret as wetness. We have no sensors for sweat. We can only perceive sweat mechanically, once drops form and begin to trickle, at which point we register «wetness». SweatTraps™ absorb this wetness before it is felt, drawing it away to be evaporated and disposing of it through thermal dynamics. Only a moisture film remains on the skin, one that serves to cool. Because: No sweat film, no cooling.

Sweat helps save energy.

sweat.

Traditional active undergarments siphon off sweat in its entirety, leading the body to continue increasing its sweat production. The result: loss of water, minerals and salt. The patented and unique 3D-Bionic-Sphere® system retains important resources to keep you performing better. Less energy is burned in regulating body heat, leaving you more energy reserves for your training.

WHEREVER SWEAT ACCUMULATES, THE 3D-BIONICSPHERE® SYSTEM GOES TO WORK.

The 3D BionicSphere® System consists of: InnerAirChannels™ and OuterAirChannels™. These form the Sweat-Traps™ and the Evaporation Surface Expander™. 3D-BionicSphere®-System. A component of the 37°CCR Technology™.

3D-BionicSphere®-System

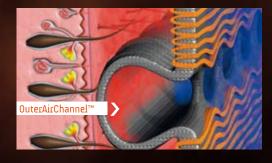
The 3D-BionicSphere®-System works from its position on the chest and the back. Without the sensation of wetness or heat. No risk of overcooling during recovery. The cooling is activated only when the body's temperature rises and sweating begins. If no sweat is present, then the system serves as insulation. The 3D-BionicSphere®-System only begins to cool once you are sweating.



During the event

Sweat forms a fine film of moisture on the skin. Drops are absorbed by the Sweat Traps™ and conducted into the Evaporation Surface Expander™. The evaporation occurs in 3 ways, activated by body heat:

- On the skin, for cooling.
- In the SweatTraps™, to process excess moisture
- In the Evaporation Surface Expander™, where the excess is finally evaporated.



During recovery

Cold ambient air represents no overcooling risk factor, because the warm air inside the InnerAirChannelsTM form an insulating cushion. During recovery, the cooling-down process is interrupted by the lack of sweat. The air in both channels serves to warm and protect, using the body's own warmth to create a body aura: an air-conditioned protective shell that wards off the influence of cold.

The 3D BionicSphere®-System begins warming when sweat is absent.



ENERGY ACCUMULATOR™

HIGH.IMPACT

Shirts Men



















ISO-Shoulder™

3D-BionicSphere® System

AirConditioning Arm Pit™

Underarm Sweat Traps™

AirConditioning Channel®

Air Traps™ Elbow Pads

Tummy X-Control™

Backside 3D-Bionic-Sphere® System











Shirt Long Sleeves also available with Turtle Neck Article code: I 20097 Colour code: X39 Black/Orange



The shirt that gets you through even the hardest winter.



Shirt Short Sleeves Men



Technical composition:

94% SkinNODOR® 4% Elastane 2% Mythlan™

Material

94% Polyamide 4% Elastane 2% Polypropylene

Sizes: S/M L/XL XXL

Shirt Long Sleeves Men

Technical composition:

94% SkinNODOR® 4% Elastane

2% Mythlan™

Material

94% Polyamide

4% Elastane 2% Polypropylene

S/M L/XL XXL



Black/Anthracite

Article code: I 20093 Colour code: X13

Shirt Short Sleeves

Colour code: X13



Article code: I 20092

Colour code: X39

Technical composition:

94% SkinNODOR® 4% Elastane 2% Mythlan™

Material

94% Polyamide 4% Elastane

2% Polypropylene

Sizes

Also available in: XH7 Sage Green/Orange XH6 Charcoal/Orange

Shirt Long Sleeves Men

Technical composition:

94% SkinNODOR®

4% Elastane 2% Mythlan™

Material

82% Polyamide

11% Elastane

7% Polypropylene



Article code: I 20093 Colour code: X39

Shirt Long Sleeves Men

Technical composition:

94% SkinNODOR®

4% Elastane

2% Mythlan™

Material

84% Polyamide

10% Elastane

6% Polypropylene

Sizes:



Charcoal/Orange

Article code: I 20093 Colour code: XH6



Also available in: XH7 Sage Green/Orange

ENERGY ACCUMULATOR™

HIGH.IMPACT

Pants Men



















ISO-Pads™

AirConditioning Channel®

Innerlab AirConditioning Zone™

Air Traps™ IsolationPads™

ExpansionKnee™

SkinN0D0R®

Nano-Technology

Always three laps ahead of winter.

Pants Long Men

Technical composition:

84% NanoCore™

10% Mythlan™

6% Elastane

Material

84% Polyamide

10% Elastane

6% Polypropylene

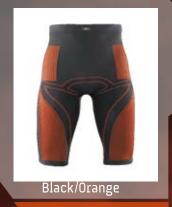
Sizes: S/M L/XL XXL Charcoal/Orange

Article code: I 20009 Colour code: XH6





Pants Short Men



Article code: I 20015 Colour code: X39

Technical composition:

81% NanoCore™ 12% Mythlan™ 7% Elastane

Material

81% Polyamide 12% Elastane 7% Polypropylene

Sizes: S/M L/XL XXL

Pants Short Men

Technical

Also available in: XH7 Sage Green/Orange XH6 Charcoal/Orange composition:

81% NanoCore™ 12% Mythlan™ 7% Elastane

Material

81% Polyamide 12% Elastane

S/M L/XL XXL

7% Polypropylene



Black/Anthracite

Article code: I 20015 Colour code: X13

Pants Medium Men



Article code: I 20012 Colour code: X39

Technical composition:

82% NanoCore™ 11% Mythlan™ 7% Elastane

Material

82% Polyamide 11% Elastane 7% Polypropylene

Sizes

Pants Medium Men



Also available in:

XH7 Sage Green/Orange

XH6 Charcoal/Orange

82% NanoCore™ 11% Mythlan™ 7% Elastane

Material

82% Polyamide

11% Elastane 7% Polypropylene



Black/Anthracite

Article code: I 20012 Colour code: X13

Pants Long Men



Technical composition:

84% NanoCore™ 10% Mythlan™ 6% Elastane

Material

84% Polyamide 10% Elastane 6% Polypropylene

Article code: I 20009 Colour code: X39

Pants Long Men



84% NanoCore™ Also available in: 10% Mythlan™ XH7 Sage Green/Orange

Material

6% Elastane

84% Polyamide 10% Elastane 6% Polypropylene

Sizes:



Article code: I 20009 Colour code: X13



ENERGY ACCUMULATOR™

HIGH.IMPACT

Tracksuit Men

















ISO-Shoulder™

3D-BionicSphere®-System

AirConditioning Arm Pit™

Underarm Sweat Traps™

Backside 3D-Bionic-Sphere® System

AirConditioning Channel®

Air Traps™ Elbow Pads

Tummy X-Control™

ISO Pads™

AirConditioning Channel®

Innerlab AirConditioning Zone™

Air Trap™ InsulationPads™

Expansion Knee™











Tracksuit Long Leg Men





Technical composition:

87% SkinNODOR® 10% Mythlan™ 3% Elastane

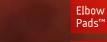
Material

87% Polyamide 10% Polypropylene 3% Elastane

Sizes: S/M L/XL XXL

Article code: I 20036 Colour code: X39

Tracksuit Medium Leg Men



3D-BionicSphere® System

AirConditioning Channel®

AirConditioning® Spot™



Technical composition:

87% SkinNODOR® 10% Mythlan™ 3% Elastane

Material

87% Polyamide10% Polypropylene3% Elastane

Black/Cobalt Blue

Article code: I 20037 Colour code: X42 Sizes:





ENERGY ACCUMULATOR™

HIGH.IMPACT

T-Shirts Women



















3D-BionicSphere®-System

AirConditioning Arm Pit™

Underarm Sweat Traps™

AirConditioning Channel®

Elbow Pads™

Tummy X-Control™

3D-BionicSphere®-System









Shirt Long Sleeves also available with Turtle Neck Article code: I 20097 Colour code: X39 Black/Orange



ISO Pads™

3D-BionicSphere®-System

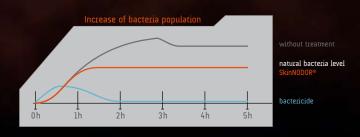
Underarm Sweat Traps™

Elbow Pads™

AirConditioning Channel®

SkinNODOR®

is a climate-active nano-filament which co tains an inorganic bacteriostatic agent. Only when the ions are slowly released, activated by body heat, does the highly-developed Skin-NODOR® begin to take effect. These ions inhibit the reproduction of microorganisms. As a consequence, SkinNODOR® is bacteriostatic – a growth inhibitor. It is not bactericidal (it does not kill bacteria). Therefore, allergic reactions are ruled out. The ions contained in the fibre are continuously released and are available in quantities which far outstrip the life-expectancy of traditional fibres. The supply of ions cannot be exhausted by normal wear or washing. SkinNODOR® is exceptionally soft and and it also



<bre>cbreathes>, ensuring an excellent fit.



Sizes: Wor X/S = 34-38S/M = 40-44L/XL = 50-54= 46-50 = 56-58 L/XL XXI

Custom made colours available on request. Minimum quantities apply.

The shirt for every woman, every sport and every winter.

Shirt Long Sleeves Women



Shirt Long Sleeves Womer



Shirt Long Sleeves Women



Technical composition:

94% SkinNODOR° 4% Elastane 2% Mythlan

MATERIAL:

94% Polyamide

4% Elastane

2% Polypropylene

Sizes: XS S/M L/XL

Also available in: X13 Black/Anthracite XH6 Charcoal/Orange

Shirt Short Sleeves Women

TECHNICAL COMPOSITION:

94% SkinNODOR° 4% Elastane 2% Mythlan"

MATERIAL:

94% Polyamide

4% Elastane 2% Polypropylene

Sizes: XS S/M L/XL

White/Anthracite

Article code: I 20095 Colour code: X66

Shirt Short Sleeves Women

COMPOSITION:

94% SkinNODOR° 4% Elastane 2% Mythlan™

MATERIAL:

94% Polyamide

4% Elastane

2% Polypropylene

Sizes:



Black/Orange

Article code: I 20095 Colour code: X39

Shirt Short Sleeves Women

TECHNICAL COMPOSITION:

Also available in:

XH7 Sage Green/Orange

XH6 Charcoal/Orange

94% SkinNODOR® 4% Elastane 2% Mythlan

MATERIAL:

94% Polyamide

4% Elastane

2% Polypropylene

Sizes: XS S/M L/XL



Black/Anthracite

Article code: I 20095 Colour code: X13



ENERGY ACCUMULATOR™

HIGH.IMPACT





























WELL-TECH







Tummy X-Control™

Pads[†]

AirConditioning®-Channel

Innerlab **AirConditioning** Zone™

Innerlab **AirConditioning** Zone^T

ExpansionKnee™

TECHNICAL COMPOSITION: 81% NanoCore™ 12% Mythlan

MATERIAL:

81% Polyamide

7% Elastane

12% Elastane

7% Polypropylene

Sizes: XS S/M L/XL



Article code: | 20019

Colour code: X39

Pants Medium

COMPOSITION:

82% NanoCore"

11% Mythlan

7% Elastane

82% Polyamide

11% Elastane

7% Polypropylene

Sizes:

DIACK/ULANGE

Article code: I 20018 Colour code: X39



Sage Green/Orange

AirConditioning®-Channel

AirGuide™

InsulationPads™

Innerlap AirConditioning Zone

Insulation Pads™

AirConditioningSpot™

Calf-Protector™

Article code: I 20017 Colour code: XH7

Pants Long Wo

TECHNICAL COMPOSITION:

84% NanoCore™

10% Mythlan™

6% Elastane

MATERIAL:

84% Polyamide

10% Elastane

6% Polypropylene

Sizes: XS S/M L/XL



Article code: I 20017 Colour code: X39

Sizes: Wor X/S = 34-38S/M = 40-44L/XL = 50-54= 46-<u>5</u>0 = 56-58

Custom made colours available on request. Minimum quantities apply.





Black/Anthracite

ARTIKEL NR.: I 20019 COLOUR CODE: X13

TECHNICAL COMPOSITION:

81% NanoCore™

12% Mythlan™

7% Elastane

MATERIAL:

81% Polyamide

12% Elastane 7% Polypropylene



Also available in: XH6 Charcoal/Orange XH7 Sage Green/Orange

Pants Short Women

TECHNICAL COMPOSITION:

81% NanoCore

12% Mythlan"

7% Elastane

MATERIAL:

81% Polyamide

12% Elastane

7% Polypropylene

XS S/M L/XL



White/Anthracite

Article code: I 20019 Colour code: X66

Pants Medium Women



Black/Anthracite

Article code: I 20018 Colour code: X13

COMPOSITION:

82% NanoCore

11% Mythlan™

7% Elastane

82% Polyamide

11% Elastane

7% Polypropylene

Sizes

Also available in: XH6 Charcoal/Orange XH7 Sage Green/Orange

Pants Medium Women

TECHNICAL COMPOSITION:

82% NanoCore®

11% Mythlan™

7% Elastane

82% Polyamide

11% Elastane

7% Polypropylene



White/Anthracite

Article code: I 20018 Colour code: X66

Pants Long Women



Article code: I 20017 Colour code: X13

TECHNICAL COMPOSITION:

84% NanoCore

10% Mythlan"

6% Elastane

MATERIAL:

84% Polyamide

10% Elastane 6% Polypropylene

Sizes:

Also available in: XH6 Charcoal/Orange

Pants Long Women

TECHNICAL COMPOSITION:

84% NanoCore

10% Mythlan™

6% Elastane

MATERIAL:

84% Polyamide

10% Elastane

6% Polypropylene

XS S/M L/XL



White/Anthracite

Article code: I 20017 Colour code: X66



ENERGY ACCUMULATOR™

HIGH, IMPACT

EXTRA WARM For men and women.

Traditional thermal underwear with fatal consequences

Traditional thermal underwear does one thing consistently; it retains as much of the body's own warmth directly to it as possible.

What in one moment can be a pleasant feeling of warmth, can quickly lead to overheating. Since active climate regulation within this insulating layer is not possible. Traditional thermal underwear is oriented towards (permanent warmth), which has fatal consequences for active people.

If activity increases, e.g. from skiing or working, in extreme cold then the body's temperature also rises. This excess warmth has no way of escaping in traditional thermal underwear. The body begins to perspire heavily. The consequences are loss of performance from heat accumulation and loss of water and minerals. The risk is a circulatory collapse.

Retain performance with X-Bionic®

If, like a sportsperson, you need to retain your performance in extreme cold or, like a worker on arctic oil platforms, you don't want to endanger your performance, then you need X-Bionic® Energy Accumulator Extra Warm.

The patented 3D-BionicSphere® System:

X-Bionic® Functional Underwear is a unique underwear that is able to warm when you're cold and to cool when you perspire, thanks to its patented 3D-BionicSphere® System. A unique, highly efficient regulating system which ensures a permanent balance of warmth and cold, even in extremely cold situations.

Objective cold and perceived cold:

In order to develop an underwear which intelligently and effectively protects against the cold and, at the same time, offers permanent wellness comfort, knowledge of people's warmth sensations is an important criteria for placing individual
warming> and <cooling> elements.

Since humans are not equally sensitive to heat and cold in all the areas of the body. If we place our warm hands on our backs, near the kidneys, a warming feeling spreads over the whole back. Even if we added the same warmth to an area of the same size on the shoulder, this would not create the same <comforting feeling>.

Natural reaction patterns:

If we have cold hands, we jam them between our thighs... And why? Because we don't react so sensibly to cold in that area, for example, as we do on the abdomen. But our hands are equally cold and the body's temperature is the same, if we tried to warm our hands by laying them on the area around the kidneys we would cool down spontaneously. However, <objectively> there is no reason not to warm our hands on our stomachs or backs. The balance of



warmth remains completely unaffected. But subjectively it makes an enormous difference. The difference is simply our perception of the individual areas of the body. These perception zones have been researched, considered and incorporated in the X-Bionic® Energy Accumulator™ Extra Warm, in order to <objectively> and <subjectively> regulate heat and cold; even in extreme areas.

A masterpiece of cord technology

The latest cord technology in the X-Bionic® Energy Accumulator™ Extra Warm has created a connection between extremely thin cord parts, comparable with fine stockings, and highly insulating fleecetype thermal elements. The cord mesh used allows superfluous heat to escape. They are placed in body areas which are less reactive to cold and are so narrow that they do not influence your overall impression of <ple>pleasant warmth>, but provide the perfect valve for excess warmth to escape.

In combination with the patented 3D-BionicSphere® System, X-Bionic® Energy Accumulator™ Extra Warm ensures that the body is cooled when you start to perspire. When you stop perspiring spontaneously, the insulation effect takes over. And all that at temperature fluctuations of 50°C and a wide variety of physical exertions.

X-Bionic® Energy Accumulator™ Extra Warm, more than just thermal underwear: Cools when you perspire, warms when you chill, even in extreme cold and with large fluctuations in temperature.

Zero Insulation Channel

The latest cord technology in the X-Bionic® Energy Accumulator Extra Warm has created a connection between extremely thin cord parts. comparable with fine stockings, and highly insulating fleece-type thermal elements.

The cord mesh used allows superfluous heat to escape. They are placed in body areas which are less reactive to cold and are so narrow that they do not influence your overall impression of ⟨pleasant warmth⟩, but provide the perfect valve for excess warmth to escape. In combination with the patented 3D-BionicSphere® System, X-Bionic® Energy Accumulator™ Extra Warm ensures that the body is cooled when you start to perspire. When you stop perspiring spontaneously, the insulation effect takes over. And all that at temperature fluctuations of 50°C and a wide variety of physical exertions.



Custom made colours available on request. Minimum quantities apply.

Extra Warm Shirt + Pants Long Men

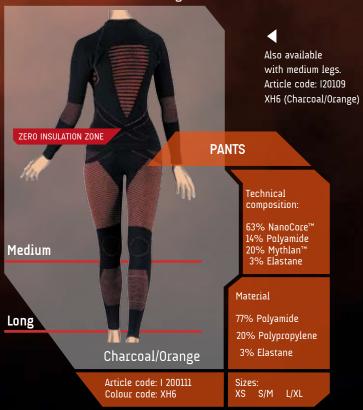














ENERGY ACCUMULATOR™

SPORT-SPECIFIC COLLECTION

Trekking

X-Bionic® Functional Underwear has developed special underwear designed to meet the particular demands of trekking.

Warm in winter, they meet all the demands placed on them by trekkers. Whether with or without a rucksack, the shoulder area is specifically designed so that carrying straps do not rub.

The 3D-BionicSphere® System is proven to be effective in the chest area, although here, a greater focus is placed on the insulation values of the 3D-BionicSphere® System than in the X-Bionic® Functional Underwear for the highly active sportsman or woman. As a result, the 3D-BionicSphere® System is integrated over a larger area and the insulating channels are more pronounced.

Eye-catching and new in the X-Bionic® Functional Underwear for Trekking is the highly flexible, honeycomb padding on the elbows and knees. They create distance between the outerwear and yet store up insulating layers of air in the gaps, with every movement.

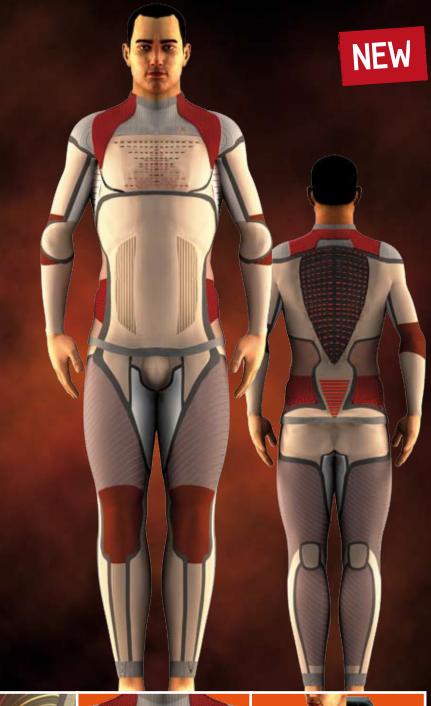
The unique honeycomb structure gives knees and elbows unrestricted freedom of movement at any time, it can be stretched and twisted 360°; it protects joints from chilling and supports fast, spontaneous movements.

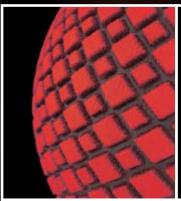
The X-Bionic® Trekking Accumulator™ has been adapted to meet the needs of walkers in every detail - from the choice of materials to the structure of the individual elements. The warming and protecting features and, above all, the well-insulated shoulder sections make this underwear a must for outdoor enthusiasts.

The X-Bionic® Trekking Accumulator™ is a revolution in outdoor wear. It helps you adapt to the external conditions, whatever the weather.

Thanks to the 3D-BionicSphere® System, X-Bionic® Functional Underwear is the only underwear to cool you down when you perspire and warm you up when you're cold. This unique, new kind of technology has already been recognized with an international patent and is now moving into the trekking clothing market.

Technology down to the smallest detail.











Custom made colours available on request. Minimum quantities apply.



X-Bionic® Energy Accumulator™

for Hunters

Many national biathlon teams wear X-Bionic® Functional Underwear. Accurate shooting can very often mean the difference between winning and losing.

Your experience with freedom of movement of the arms and shoulders when shooting has been taken and used in the development of the X-Bionic® Energy Accumulator™ for hunters.

X-Bionic® Energy Accumulator™ for Sailors

When sailing, you are literally exposed to wind and weather>.

The X-Bionic® Energy Accumulator™ for Sailors offers this protection against the weather. Zones have also been incorporated which regulate heat and moisture when wearing a life jacket and underneath the holding straps. The pants are high-cut so that all-round protection remains guaranteed for all movements carried out in a sitting position.

X-Bionic® Energy Accumulator™ for Riders

The saddle and horse set particular demands on the underwear when riding. Special padding has been incorporated in the X-Bionic® Energy Accumulator™ series for riders.

The underwear offers precise protection without eliminating contact with the horse.



MID.IMPACT

X-Shirt Long Sleeves Men



red<mark>dot</mark> design award winner 2006







3D-BionicSphere®-System

Underarm Sweat Traps™

AirConditioning Channel®



69% SkinNODOR® 21% Polyamide 9% Elastane 1% Mythlan™

Material

90% Polyamide

9% Elastane

1% Polypropylene



Black/Orange

Article code: I 20100 Colour code: X39

Shoulder™

3D-BionicSphere®-System

Elbow Pads™

AirConditioning Channel®

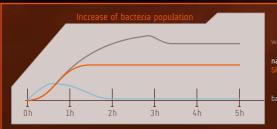








Highly elastic and breathable... a shirt not only for sport.



without treatment natural bacteria level SkinNODOR®

bactericide

SkinNODOR®

is a climate-active nano-filament which contains an inorganic bacteriostatic agent. Only when the ions are slowly released, activated by body heat, does the highly-developed Skin-NODOR® begin to take effect. These ions inhibit the reproduction of micro-organisms. As a consequence, SkinNODOR® is bacteriostatic – a growth inhibitor. It is not bactericidal (it does not kill bacteria). Therefore, allergic reactions are ruled out. The ions contained in the fibre are continuously released and are available in quantities which far outstrip the life-expectancy of traditional fibres. The supply of ions cannot be exhausted by normal wear or washing. SkinNODOR® is exceptionally soft and and it also
breathes>, ensuring an excellent fit.



MID.IMPACT

X-Shirt Short Sleeves Men



red<mark>dot</mark> design award winner 2006







3D-BionicSphere®-System

Underarm Sweat Traps™

AirConditioning Channel®



64% SkinNODOR® 24% Polyamide 8% Elastane 2% Mythlan™

Material

90% Polyamide

8% Elastane

2% Polypropylene



Black/Orange

Article code: I 20052 Colour code: X39

Shoulder™

3D-BionicSphere®-System

AirConditioning Channel®







Article code: I 20052

Colour code: XB4

64% SkinNODOR®
24% Polyamide
8% Elastane
2% Mythlan™

Material
90% Polyamide
8% Elastane
2% Polypropylene

Sizes:

S/M L/XL XXL

Technical

composition:

Also available in: X96 Cobalt Blue/Pearl Grey X97 Red/Anthracite X42 Black/Cobalt Blue Technical composition:

64% SkinNODOR® 24% Polyamide 8% Elastane 2% Mythlan™

Material

90% Polyamide

8% Elastane2% Polypropylene

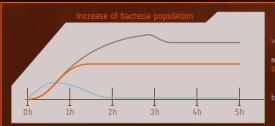
Sizes: S/M L/XL XXL



White/Cobalt Blue

Article code: I 20052 Colour code: XA1

The 3D-BionicSphere®-System
on the chest and back
starts to cool when you perspire.
No shirt to hide... Also perfect as
a T-Shirt in the summer.



without treatment natural bacteria level SkinNODOR®

bactericide

SkinNODOR®

is a climate-active nano-filament which contains an inorganic bacteriostatic agent. Only when the ions are slowly released, activated by body heat, does the highly-developed Skin-NODOR® begin to take effect. These ions inhibit the reproduction of micro-organisms. As a consequence, SkinNODOR® is bacteriostatic – a growth inhibitor. It is not bactericidal (it does not kill bacteria). Therefore, allergic reactions are ruled out. The ions contained in the fibre are continuously released and are available in quantities which far outstrip the life-expectancy of traditional fibres. The supply of ions cannot be exhausted by normal wear or washing. SkinNODOR® is exceptionally soft and and it also «breathes», ensuring an excellent fit.



MID.IMPACT





red<mark>dot</mark> design award winner 2006







3D-BionicSphere®-System

AirConditioning Channel®



Technical composition:

66% SkinNODOR® 24% Polyamide 8% Elastane 2% Mythlan™

Material

90% Polyamide

8% Elastane

2% Polypropylene

Sizes: S/M L/XL XXL



Black/Orange

Article code: I 20053 Colour code: X39

3D-BionicSphere®-System

AirConditioning Channel®







Colour code: XB4

Technical composition:

66% SkinNODOR® 24% Polyamide 8% Elastane 2% Mythlan™

Material

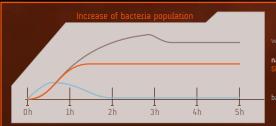
90% Polyamide 8% Elastane 2% Polypropylene

Sizes:

Also available in: X96 Cobalt Blue/Pearl Grey X97 Red/Anthracite X42 Black/Cobalt Blue



The proven 3D-BionicSphere®-System ensures cooling and regulates perspirationas in forms.



without treatment natural bacteria level SkinNODOR®

bactericide

SkinNODOR®

is a climate-active nano-filament which contains an inorganic bacteriostatic agent. Only when the ions are slowly released, activated by body heat, does the highly-developed Skin-NODOR® begin to take effect. These ions inhibit the reproduction of micro-organisms. As a consequence, SkinNODOR® is bacteriostatic – a growth inhibitor. It is not bactericidal (it does not kill bacteria). Therefore, allergic reactions are ruled out. The ions contained in the fibre are continuously released and are available in quantities which far outstrip the life-expectancy of traditional fibres. The supply of ions cannot be exhausted by normal wear or washing. SkinNODOR® is exceptionally soft and and it also
breathes>, ensuring an excellent fit.



MID.IMPACT





red<mark>dot</mark> design award winner 2006







Two-Step Front 3D-BionicSphere®-System

ISO-Blocke<u>r</u>™

Technical composition:

68% SkinNODOR® 20% Polyamide 8% Elastane 4% Mythlan™

Material

88% Polyamide 8% Elastane

4% Polypropylene

Sizes: S/M L/XL XXL Black/Orange

Article code: I 20099 Colour code: X39

3D-BionicSphere®-System



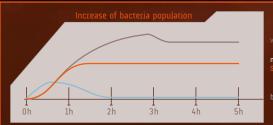




With controlled climate technology, thanks to the 3D-BionicSphere®-System.







is

natural bacteria level SkinNODOR®

actericide

is a climate-active nano-filament which contains an inorganic bacteriostatic agent. Only when the ions are slowly released, activated by body heat, does the highly-developed Skin-NODOR® begin to take effect. These ions inhibit the reproduction of micro-organisms. As a consequence, SkinNODOR® is bacteriostatic – a growth inhibitor. It is not bactericidal (it does not kill bacteria). Therefore, allergic reactions are ruled out. The ions contained in the fibre are continuously released and are available in quantities which far outstrip the life-expectancy of traditional fibres. The supply of ions cannot be exhausted by normal wear or washing. SkinNODOR® is exceptionally soft and and it also
breathes>, ensuring an excellent fit.

MID.IMPACT

Pants Medium Men



red<mark>dot</mark> design award winner 2006







Two-Step Front 3D-BionicSphere®-System

ISO-Blocker™



68% SkinNODOR® 20% Polyamide 8% Elastane 4% Mythlan™



88% Polyamide 8% Elastane 4% Polypropylene

Sizes: S/M L/XL XXL Black/Orange

Article code: I 20098 Colour code: X39



3D-BionicSphere®-System



Nano-Technology







The proven 3D-BionicSphere®-System ensures cooling and regulates perspiration as in forms.

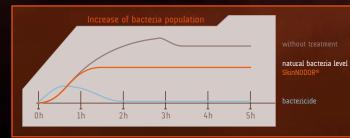


Technical composition:

68% SkinNODOR® 20% Polyamide 8% Elastane 4% Mythlan™

Material 88% Polyamide 8% Elastane 4% Polypropylene Marine/Pearl Grey

Sizes:
S/M L/XL XXL Colour code: XB4



SKINNUU is a slin

is a climate-active nano-filament which contains an inorganic bacteriostatic agent. Only when the ions are slowly released, activated by body heat, does the highly-developed Skin-NODOR® begin to take effect. These ions inhibit the reproduction of micro-organisms. As a consequence, SkinNODOR® is bacteriostatic – a growth inhibitor. It is not bactericidal (it does not kill bacteria). Therefore, allergic reactions are ruled out. The ions contained in the fibre are continuously released and are available in quantities which far outstrip the life-expectancy of traditional fibres. The supply of ions cannot be exhausted by normal wear or washing. SkinNODOR® is exceptionally soft and and it also
breathes>, ensuring an excellent fit.

MID.IMPACT

X-Boxer Shorts Men



red<mark>dot</mark> design award winner 2006







Two-Step Front 3D-BionicSphere®-System



Technical composition:

90% SkinNODOR®

9% Elastane 1% Mythlan™

Material

90% Polyamide

9% Elastane

1% Polypropylene

Sizes: S/M L/XL XXL



Black/Orange

Article code: I 20054 Colour code: X39

3D-BionicSphere®-System am Steiß

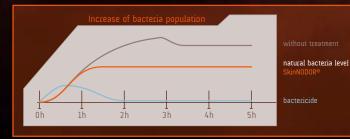




Climate active material ensures the best wearing comfort, even on hot days.







SkinN0D0R®

is a climate-active nano-filament which contains an inorganic bacteriostatic agent. Only when the ions are slowly released, activated by body heat, does the highly-developed Skin-NODOR® begin to take effect. These ions inhibit the reproduction of micro-organisms. As a consequence, SkinNODOR® is bacteriostatic - a growth inhibitor. It is not bactericidal (it does not kill bacteria). Therefore, allergic reactions are ruled out. The ions contained in the fibre are continuously released and are available in quantities which far outstrip the life-expectancy of traditional fibres. The supply of ions cannot be exhausted by normal wear or washing. SkinNODOR® is exceptionally soft and and it also «breathes», ensuring an excellent fit.

MID.IMPACT

X-Shirt Long Sleeves Women



red<mark>dot</mark> design award winner 2006







Chest 3D-BionicSphere® System

Underarm Sweat Traps™

AirConditioning Channel®



69% SkinNODOR® 21% Polyamide 9% Elastane 1% Mythlan™

90% Polyamide

9% Elastane

1% Polypropylene

Sizes: XS S/M L/XL



Article code: I 20103 Colour code: X39

Underarm Sweat Traps™

3D-BionicSphere® System

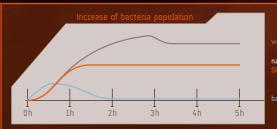








With controlled climate technology, thanks to the 3D-BionicSphere®-System.



natural bacteria level

is a climate-active nano-filament which contains an inorganic bacteriostatic agent. Only when the ions are slowly released, activated by body heat, does the highly-developed Skin-NODOR® begin to take effect. These ions inhibit the reproduction of micro-organisms. As a consequence, SkinNODOR® is bacteriostatic – a growth inhibitor. It is not bactericidal (it does not kill bacteria). Therefore, allergic reactions are ruled out. The ions contained in the fibre are continuously released and are available in quantities which far outstrip the life-expectancy of traditional fibres. The supply of ions cannot be exhausted by normal wear or washing. SkinNODOR® is exceptionally soft and and it also <bre>obreathes>, ensuring an excellent fit.



MID.IMPACT

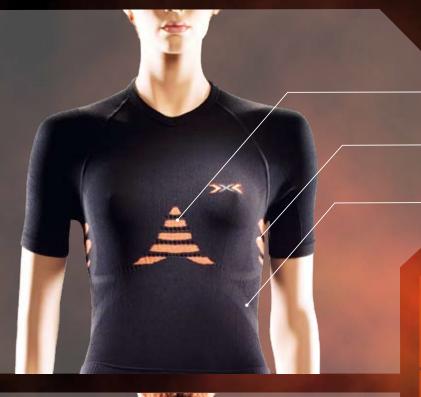
X-Shirt Short Sleeves Women



red<mark>dot</mark> design award winner 2006







3D-BionicSphere® System

Underarm Sweat Traps™

AirConditioning Channel®



Nano-Technology

Technical composition:

66% SkinNODOR® 24% Polyamide 8% Elastane 2% Mythlan™

90% Polyamide

8% Elastane

2% Polypropylene

Sizes: XS S/M L/XL



Black/Orange

Article code: I 20058 Colour code: X39

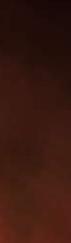
Shoulder™

3D-BionicSphere®-System









Technical composition:

65% SkinNODOR®
24% Polyamide
8% Elastane
2% Mythlan™

Material
90% Polyamid
8% Elastane
2% Polypropylene

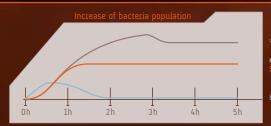
White/Sky Blue

Sizes:
XS S/M L/XL

Article code: I 20058
Colour code: XB3



In 4 colours... A shirt which can also be worn «on top».



without treatment
natural bacteria level
SkinNODOR®

actericide

SkinNODOR®

is a climate-active nano-filament which contains an inorganic bacteriostatic agent. Only when the ions are slowly released, activated by body heat, does the highly-developed Skin-NODOR® begin to take effect. These ions inhibit the reproduction of micro-organisms. As a consequence, SkinNODOR® is bacteriostatic – a growth inhibitor. It is not bactericidal (it does not kill bacteria). Therefore, allergic reactions are ruled out. The ions contained in the fibre are continuously released and are available in quantities which far outstrip the life-expectancy of traditional fibres. The supply of ions cannot be exhausted by normal wear or washing. SkinNODOR® is exceptionally soft and and it also \text{breathes>}, ensuring an excellent fit.



BIONIC ENERGIZER™

MID.IMPACT

X-Singlet with integrated bra Women



red<mark>dot</mark> design award winner 2006







Integrated Bra & 3D-BionicSphere® System

3D-BionicSphere® System

Body AirConditioning Channel® SkinNODOR®

Nano-Technology

Technical composition:

69% SkinNODOR® 21% Polyamide 8% Elastane 2% Mythlan™

Material

90% Polyamide

8% Elastane

2% Polypropylene

Sizes: XS S/M L/XL



Black/Orange

Article code: I 20059 Colour code: X39





L/XL = 50-54 L/XL = 46-50XXL = 56-58

Custom made colours available on request. Minimum quantities apply.



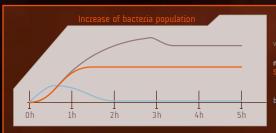


Technical composition: 69% SkinNODOR® 21% Polyamide 8% Elastane 2% Mythlan™ Material 90% Polyamide 8% Elastane 2% Polypropylene White/Sky Blue Sizes: XS S/M L/XL Article code: I 20059 Colour code: XB3



The integrated bra makes it comfortable to wear.





natural bacteria level

is a climate-active nano-filament which contains an inorganic bacteriostatic agent. Only when the ions are slowly released, activated by body heat, does the highly-developed Skin-NODOR® begin to take effect. These ions inhibit the reproduction of micro-organisms. As a consequence, SkinNODOR® is bacteriostatic – a growth inhibitor. It is not bactericidal (it does not kill bacteria). Therefore, allergic reactions are ruled out. The ions contained in the fibre are continuously released and are available in quantities which far outstrip the life-expectancy of traditional fibres. The supply of ions cannot be exhausted by normal wear or washing. SkinNODOR® is exceptionally soft and and it also <bre>obreathes>, ensuring an excellent fit.



BIONIC ENERGIZER™

MID.IMPACT





red<mark>dot</mark> design award winner 2006







ISO-Blocker™



68% SkinNODOR® 20% Polyamide 8% Elastane 4% Mythlan™

Material

88% Polyamide

8% Elastane

4% Polypropylene

Sizes: XS S/M L/XL Black/Orange

Article code: I 20104 Colour code: X39









L/XL = 46-50 XXL = 56-58

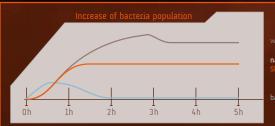
Custom made colours available on request. Minimum quantities apply.



Perfect fit. Outstanding comfort. With recognized 3D-BionicSphere® System.







without treatment

natural bacteria level
SkinNODOR®

actericide

SkinNODOR®

is a climate-active nano-filament which contains an inorganic bacteriostatic agent. Only when the ions are slowly released, activated by body heat, does the highly-developed Skin-NODOR® begin to take effect. These ions inhibit the reproduction of micro-organisms. As a consequence, SkinNODOR® is bacteriostatic – a growth inhibitor. It is not bactericidal (it does not kill bacteria). Therefore, allergic reactions are ruled out. The ions contained in the fibre are continuously released and are available in quantities which far outstrip the life-expectancy of traditional fibres. The supply of ions cannot be exhausted by normal wear or washing. SkinNODOR® is exceptionally soft and and it also «breathes», ensuring an excellent fit.

BIONIC ENERGIZER™

MID.IMPACT











ISO-Blocker™



Technical composition:

68% SkinNODOR® 20% Polyamide 8% Elastane 4% Mythlan™

Material

88% Polyamide

8% Elastane

4% Polypropylene
Sizes:
XS S/M L/XL

Black/Orange

Article code: I 20105 Colour code: X39







Perfect fit. Outstanding comfort.
With recognized 3D-BionicSphere® System.



Technical composition:

68% SkinNODOR®
20% Polyamide
8% Elastane
4% Mythlan™

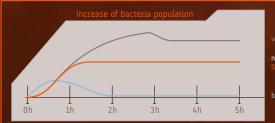
Material

88% Polyamide
8% Elastane
4% Polypropylene

White/Sky Blue

Sizes:
XS S/M L/XL

Article code: 1 20105
Colour code: XB3



without treatment
natural bacteria level
SkinNODOR®

actericide

SkinNODOR®

is a climate-active nano-filament which contains an inorganic bacteriostatic agent. Only when the ions are slowly released, activated by body heat, does the highly-developed Skin-NODOR® begin to take effect. These ions inhibit the reproduction of micro-organisms. As a consequence, SkinNODOR® is bacteriostatic – a growth inhibitor. It is not bactericidal (it does not kill bacteria). Therefore, allergic reactions are ruled out. The ions contained in the fibre are continuously released and are available in quantities which far outstrip the life-expectancy of traditional fibres. The supply of ions cannot be exhausted by normal wear or washing. SkinNODOR® is exceptionally soft and and it also «breathes», ensuring an excellent fit.



BIONIC ENERGIZER™

MID.IMPACT

X-Boxer Shorts Women



red<mark>dot</mark> design award winner 2006





SkinN0D0R®



SkinNODOR® Oberfläche



91% SkinNODOR®

8% Elastane

1% Mythlan™

Material

90% Polyamide

9% Elastane

1% Polypropylene

Sizes: XS S/M L/XL



Black/Orange

Article code: I 20060 Colour code: X39





Perfect fit. Outstanding comfort. With recognized 3D-BionicSphere® System.



Technical composition:

91% SkinNODOR®

8% Elastane

1% Mythlan™

Material

90% Polyamide

9% Elastane

1% Polypropylene

White/Sky Blue

Sizes:

XS S/M L/XL

Article code: 1 20060

Colour code: XB3

Increase of bacteria population

where the state of the s

without treatment

actericide

SkinNODOR®

is a climate-active nano-filament which contains an inorganic bacteriostatic agent. Only when the ions are slowly released, activated by body heat, does the highly-developed Skin-NODOR® begin to take effect. These ions inhibit the reproduction of micro-organisms. As a consequence, SkinNODOR® is bacteriostatic – a growth inhibitor. It is not bactericidal (it does not kill bacteria). Therefore, allergic reactions are ruled out. The ions contained in the fibre are continuously released and are available in quantities which far outstrip the life-expectancy of traditional fibres. The supply of ions cannot be exhausted by normal wear or washing. SkinNODOR® is exceptionally soft and and it also «breathes», ensuring an excellent fit.

LOW.IMPACT

X-Shirt Short Sleeves Men



red<mark>dot</mark> design award winner 2006







3D-BionicSphere® System

Underarm SweatTraps™

AirConditioning Channel®

Technical composition:

98% Xitan™

1% Mythlan™

1% Elastane

Material

98% Polyamide

1% Polypropylene

1% Elastane

Sizes: S/M L/XL XXL

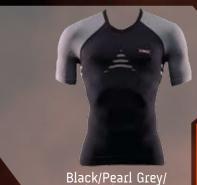
Black/Orange

Article code: I 20067 Colour code: X39

ISO-Pads™







Anthracite

Article code: I 20067 Colour code: XB6

Technical composition:

98% Xitan™

1% Mythlan™

1% Elastane

Material

98% Polyamide

1% Polypropylene

1% Elastane

S/M L/XL XXL

Technical composition:

98% Xitan™

1% Mythlan™

1% Elastane

Material

98% Polyamide

1% Polypropylene

1% Elastane

Sizes:

S/M L/XL XXL



Pearl Grey/Anthracite

Article code: I 20067 Colour code: X87



Black/Pearl Grey

Article code: I 20067 Colour code: XA2

Technical composition:

98% Xitan™

1% Mythlan™

1% Elastane

Material

98% Polyamide

1% Polypropylene

1% Elastane

Sizes

S/M L/XL XXL

Technical composition:

98% Xitan™

1% Mythlan™

1% Elastane

Material

98% Polyamide

1% Polypropylene

1% Elastane

Sizes:

S/M L/XL XXL



Red/Anthracite

Article code: I 20067 Colour code: X97



XIT∆N™

the new high-tech fibre. Offering the grip of cotton but with a performance that far outstrips the natural fibre. Xitan™ is lighter and softer than cotton while offering far greater respiration qualities. In comparison with cotton, $\text{Xitan}^{\text{\tiny{TM}}}$ – and the fibres themselves – absorbs practically no water and is therefore water-resistant from the outside. In contrast to cotton, Xitan™ will never stick to the skin like a wet rag and therefore it also dries extremely quickly after exercise.



LOW.IMPACT

X-Singlet Men



red<mark>dot</mark> design award winner 2006









3D-BionicSphere® System

AirConditioning

Technical composition:

98% Xitan™

1% Mythlan™

1% Elastane

Material

98% Polyamide

1% Polypropylene

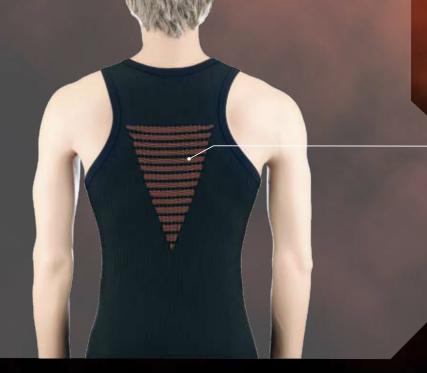
1% Elastane

Sizes: S/M L/XL XXL



Black/Orange

Article code: I 20068 Colour code: X39





The proven 3D-BionicSphere® System ensure cooling and regulates perspiration as it forms.

Technical composition: 98% Xitan™ 1% Mythlan™ 1% Elastane Material 98% Polyamide 1% Polypropylene 1% Elastane Red/Anthracite Article code: I 20068 S/M L/XL XXL Colour code: X97



Technical composition: 98% Xitan™ 1% Mythlan™ 1% Elastane Material 98% Polyamide 1% Polypropylene 1% Elastane Pearl Grey/Anthracite Article code: | 20068 Sizes: S/M L/XL XXL Colour code: X87



the new high-tech fibre. Offering the grip of cotton but with a performance that far outstrips the natural fibre. Xitan™ is lighter and softer than cotton while offering far greater respiration qualities. In comparison with cotton, $\text{Xitan}^{\text{\tiny{TM}}}$ – and the fibres themselves - absorbs practically no water and is therefore water-resistant from the outside. In contrast to cotton, Xitan™ will never stick to the skin like a wet rag and therefore it also dries extremely quickly after exercise.



LOW.IMPACT

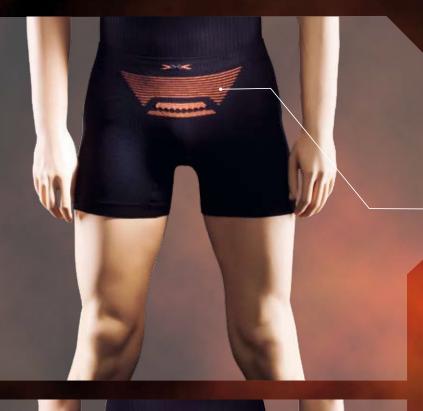
X-Boxer Shorts Men



reddot design award winner 2006









Two-Step Front 3D-BionicSphere® System

Technical composition:

93% Xitan™ 6% Elastane

1% Mythlan™

Material

93% Polyamide

6% Elastane

1% Polypropylene

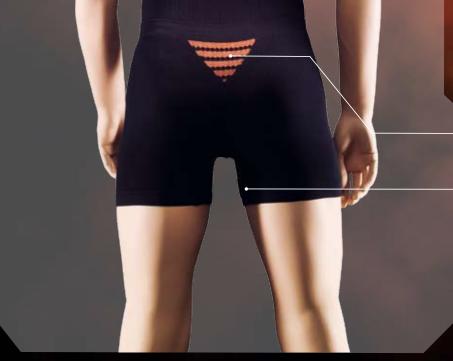
Sizes: S/M L/XL XXL

Black/Orange

Article code: I 20078 Colour code: X39

3D-BionicSphere® System

AirConditioning Channel®







Technical composition:

93% Xitan™ 6% Elastane 1% Mythlan™

Material

93% Polyamide 6% Elastane 1% Polypropylene

Highly elastic and breathable... ...not only for sports.



Technical composition:

93% Xitan™ 6% Elastane 1% Mythlan™

Material

93% Polyamide 6% Elastane

S/M L/XL XXL



93% Xitan™

6% Elastane 1% Mythlan"

Material

93% Polyamide

6% Elastane

1% Polypropylene



Pearl Grey/Anthracite

Article code: I 20078 Colour code: X87



the new high-tech fibre. Offering the grip of cotton but with a performance that far outstrips the natural fibre. Xitan™ is lighter and softer than cotton while offering far greater respiration qualities. In comparison with cotton, $\text{Xitan}^{\scriptscriptstyle\mathsf{TM}}$ – and the fibres themselves - absorbs practically no water and is therefore water-resistant from the outside. In contrast to cotton, Xitan™ will never stick to the skin like a wet rag and therefore it also dries extremely quickly after exercise.



LOW.IMPACT

X-Shirt Short Sleeves Women



red<mark>dot</mark> design award winner 2006







3D-BionicSphere® System

Underarm Sweat Traps™

AirConditioning Channel®



98% Xitan™ 1% Mythlan™

1% Elastane

Material

98% Polyamide

1% Polypropylene

1% Elastane

Sizes: XS S/M L/XL



Black/Orange

Article code: I 20071 Colour code: X39

ISO-Pads™









Technical composition: 98% Xitan™

1% Mythlan™ 1% Elastane

Material

98% Polyamide 1% Polypropylene 1% Elastane

Technical composition:

98% Xitan™

1% Mythlan™

1% Elastane

Material

98% Polyamide

1% Polypropylene

1% Elastane

Sizes: XS S/M L/XL



Article code: I 20071 Colour code: X84

We have very specific ideas about the perfect underwear. That's why we placed particular importance on a high degree of elasticity the best finish and innovative material: And this is one of the results.

Technical composition:

98% Xitan™

1% Mythlan™

1% Elastane

Material

98% Polyamide

1% Polypropylene

1% Elastane

Sizes: XS S/M L/XL



White/Sky Blue

Article code: I 20071 Colour code: XB3



the new high-tech fibre. Offering the grip of cotton but with a performance that far outstrips the natural fibre. Xitan™ is lighter and softer than cotton while offering far greater respiration qualities. In comparison with cotton, Xitan™ - and the fibres themselves - absorbs practically no water and is therefore water-resistant from the outside. In contrast to cotton, Xitan™ will never stick to the skin like a wet rag and therefore it also dries extremely quickly after exercise.



LOW.IMPACT





red<mark>dot</mark> design award winner 2006









3D-BionicSphere® System

AirConditioning Channel®

Technical composition:

98% Xitan™

1% Mythlan™

1% Elastane

Material

98% Polyamide

1% Polypropylene

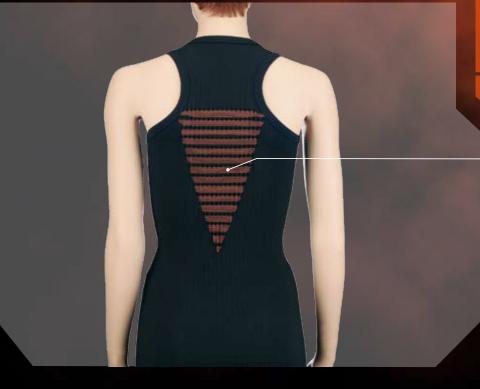
1% Elastane

Sizes: XS S/M L/XL



Black/Orange

Article code: I 20072 Colour code: X39



Sizes: Women: Sizes: Men: X/S = 34-38S/M = 44-48S/M = 40-44L/XL = 50-54L/XL = 46-50 XXL = 56-58

Custom made colours available on request. Minimum quantities apply.



The 3D-BionicSphere®-System on the chest and back starts to cool when you perspire. No shirt to hide... Also perfect as a T-Shirt in the summer.

Technical composition:

98% Xitan™

1% Mythlan™

1% Elastane

Material

98% Polyamide

1% Polypropylene

1% Elastane

XS S/M L/XL



White/Sky Blue

Article code: I 20072 Colour code: XB3



Black/Pearl Grey

Article code: I 20072 Colour code: XA2

Technical

98% Xitan™

1% Mythlan™ 1% Elastane

Material

98% Polyamide

1% Polypropylene

1% Elastane

XS S/M L/XL

Technical composition:

98% Xitan™

1% Mythlan™

1% Elastane

Material

98% Polyamide

1% Polypropylene

1% Elastane



White/Pink

Article code: I 20072 Colour code: X84



the new high-tech fibre. Offering the grip of cotton but with a performance that far outstrips the natural fibre. Xitan™ is lighter and softer than cotton while offering far greater respiration qualities. In comparison with cotton, Xitan™ - and the fibres themselves - absorbs practically no water and is therefore water-resistant from the outside. In contrast to cotton, Xitan™ will never stick to the skin like a wet rag and therefore it also dries extremely quickly after exercise.



LOW.IMPACT





red<mark>dot</mark> design award winner 2006







Xitan™

Xitan™ Oberfläche

Technical composition:

93% Xitan™ 6% Elastane

1% Mythlan™

Material

93% Polyamide

6% Elastane

1% Polypropylene

Sizes: XS S/M L/XL



Black/Orange

Article code: I 20075 Colour code: X39



Sizes: Women: Sizes: Men: X/S = 34-38 S/M = 44-48S/M = 40-44L/XL = 50-54L/XL = 46-50 XXL = 56-58

Custom made colours available on request. Minimum quantities apply.





Black/Cobalt Blue

Article code: I 20075 Colour code: X42

Technical composition:

93% Xitan™

6% Elastane

1% Mythlan™

Material

93% Polyamide

6% Elastane

1% Polypropylene

Sizes: XS S/M L/XL

Technical composition:

93% Xitan™

6% Elastane

1% Mythlan™

Material

93% Polyamide

6% Elastane 1% Polypropylene

XS S/M L/XL

White/Sky Blue

Article code: I 20075 Colour code: XB3



Black/Pearl Grey

ARTIKELNR.: I 20075 COLOUR CODE: XA2

Technical composition:

93% Xitan™

6% Elastane 1% Mythlan™

Material

93% Polyamide

6% Elastane

1% Polypropylene

Sizes:

XS S/M L/XL

Technical composition:

93% Xitan™

6% Elastane

1% Mythlan™

Material

93% Polyamide

6% Elastane

1% Polypropylene

Sizes:

Red/Anthracite

Article code: I 20075 Colour code: X97



White/Pink

Article code: I 20075 Colour code: X84

Technical composition:

93% Xitan™

6% Elastane 1% Mythlan™

Material

93% Polyamide

6% Elastane

1% Polypropylene

Sizes: XS S/M L/XL

XIT∆N™

the new high-tech fibre. Offering the grip of cotton but with a performance that far outstrips the natural fibre. Xitan™ is lighter and softer than cotton while offering far greater respiration qualities. In comparison with cotton, Xitan $\mbox{^{\intercal}}\mbox{^-}$ and the fibres themselves - absorbs practically no water and is therefore water-resistant from the outside. In contrast to cotton, Xitan™ will never stick to the skin like a wet rag and therefore it also dries extremely quickly after exercise.



"24/7"BIONIC®

YOUR MULTIFUNCTIONAL COMPANION FOR EVERY SITUATION

BIONIC® T-Shirt + Boxer Shorts Men



Article code: I 20080 Colour code: X39



Article code: I 20091 Colour code: X39

 $24/7\ BIONIC^{\odot}$ Boxer Shorts are available in the same colours as the $24/7\ BIONIC^{\odot}$ T-Shirts.

Technical composition:

71% SkinNODOR° 21% Polyamide 7% Elastane 1% Mythlan"

Material

95% Polyamide

5% Elastane



White/Pearl Grey

Sizes:

XS S/M L/XL XXL

Article code: I 20080 Colour code: X32

Technical composition:

71% SkinNODOR° 21% Polyamide 7% Elastane 1% Mythlan[™]

Material

95% Polyamide

5% Elastane

Marine/Pearl Grey

Sizes: XS S/M L/XL XXL Article code: I 20080 Colour code: XB4

Technical composition:

71% SkinNODOR° 21% Polyamide 7% Elastane 1% Mythlan

Material

95% Polyamide

5% Elastane

Black/Pearl Grey

Sizes: XS S/M L/XL XXL Article code: I 20080 Colour code: XA2

Easy on the skin. Soft and breathable during sports. Odourless thanks to bacteriostatic SkinNODOR® and stylish for both -business and leisure.

The 24/7 BIONIC® T-Shirt Men is underwear and T-Shirt in one. Performing 24 hours a day, 7 days a week.



PRODUCTS WITH THE «>XX » SET THE PATTERN WORLDWIDE. MORE THAN 167 AWARDS WILL CONVINCE YOU TOO.



TRUИИING

"Perfect summer socks..." (Speed One UltraLight)



7/2002 CYCLING



าพalking



rilliant technology (Running Light)









5/2004 TECH 9/2004 GOLF_{m2} RUNNERS "Sophisticated and high quality. (Speed One)



tennis magazir





"Perfect fit!" (Trekking Extreme Light)









1/2006 TECH T



















"Keep your feet dry..." (SkiAdrenaline)





"Socks from another planet" (MTB Discovery)

"Skating equipment you need." (Skating)

"Complete with X-Socks®" (Ski Socks)







TOP TI



4/2006 TOP





"... High-tech to behold." (EnergyAccumulator) breath very well! (Air Force One)

MountainBike? 4/2005 TOP TIE »VERY GOO 8/2001 draußen

«... more comfort than the norm» (Mountain Biking) «Perfect.» (Sky Run Silver)



2/2004









"Savvy climate controlled wear for the high-tech fan..." (EnergyAccumulator) RUNNERS



6/2002 RUNNERS

ABOUT.COM

condition

ìwalking ...supports the

3/2001 BIKERS "X-Socks are the most progressive socks..." (Mountain Biking)

2000 TOP TIL CHOPPER "Totally swept off one's sock!" (MotoTouring)





SEHR BELIEB "... for high demands" (Speed One)



"Highly function socks." (Speed One UltraLight)

"No weak spots" (Power Walking)

"High-quality competition socks (Sport Running)











7SPECIAL "Perfect – the running tech tip." (Speed One Bionic Energizer)

2/2006 TOP TIP
Syklistenes
Landsforening

MAGAZINE RUNNERS

5/2004 TOP TIP

FUNBOX

"Test winner, 92 from 100 points" Purchase (Trekking Light)

1/2006 TOP TIP

Bergsteiger

"Ingenious sophisticated!" (Skiiing Light XXL Cuff)

n "There are no more better clothing, whichcan dare this brand." (Energy Accumulator) 1/2005 TOP TIP

Motorrad-fahrer

"Very good feeling at driving..." (Energy Accumulator)

"Comfort for the small feet." (Ski Light Junior Kids) 10/1999 TOP TIP









TOP TIP 7/2005 "Totally swept off one's feet!" (MotoTouring Long)



5/2003 condition

Top Score in Test (SkyRun)





3/2003

te Test verdict: Very light" (Trekking Extreme Light)

6/2006 TOP TIP

nordic/sports



















5/2003

condition





3/2003 F GR FUN

-Socks® - absolute match winners!" (Skating) (













ery good regulati of warmth and humidia



sophistice technology!' (Ski Light) outdoor "... are positive about the good fit." (Trekking Expedition)























"Totally swept off one's feet!" (MotoTouring Long)









2005/Vol4







optimal..." (Speed One)



SEHR GUT Test verdict: "Very good" (Trekking Expedition)

outdoor RUNNERS

4/2002 TREKKERS "X-Socks® are absolutely world class." (Trekking Expedition)

RUNNERS

ouring Long)



condition





"With sophisticated technology" (EnergyAccumulator) "All very good." (Test winner SkiLight)





"Top wearing comfort..." (Biking UltraLight)

2/2005



12/2004



12/2004





7SPECIAL 'Perfect and secure (Run Speed One)







11/2005 TOP TI







"...I can really commend them for everyday wear!" (Silver Day)



THERE ISN'T ENOUGH SPACE FOR ALL OUR ACCOLADES ON THIS PAGE - PLEASE HAVE A LOOK ON THE BACK.





"With good, all-round comfort..." (Run Speed One)

RUNNERS

TOP TIP









"... one should not do without X-UnderGear." (EnergyAccumulator)



"... you have to try them!" (Mountain Biking)



"Pleasurable, climate "A versatile and controlled wearing well-equipped sock! (Biking Racing) comfort" (Ski Adrenalin)



8/2002 TOP T

TREKKERS





"...one of the best contest socks." (Speed One) "100% wearing comfort." (EnergyAccumulator)



"...makes a good impression." (Speed One Lady)



"...get a good reputation at test."





"Perfectly protected "They are so high-tech sock." and the most advanced (SpeedOne) ski boots." (Ski Socks)





"Fit on the foot." (MotoTouring)



29 national team

members rely on products with the

*/15

Italian

German national ski team Biathlon Spanish national ski team

national ski team Biathlon

National ski team Biathlon

National ski team Biathlon Lithuania

National ski team Biathlon **Belarus**

National ski team Biathlon

Ski association

French national ski team Biathlon

National ski team

National ski team

Czech worldcup

Romanian national ski team

Biathlon

Estonia

Poland

team 2006/2007 Biathlon **Bulgaria** Ukrainian national ski team Biathlon German national ski team

Alpin German national ski team German

national ski team Nordic

National ski team Switzerland Norwegian olympic team 2006

Norwegian alpin team Belgian snowboard

team Slovenian national ski team Nordic Slovenian national ski team Telemark

German skiing instructors association (DSLV)

Netherlands British national ski team Biathlon

Belgium

Slovenia national ski team

. «**>X(**».

167 INTERNATIONAL AWARDS AND TEST VICTORIES FOR PRODUCTS WITH THE «>X(».



X-BIONIC® Underwear Energy Accumulator™ «awarded for outstanding Design quality • workmanship • choice of materials • degree of innovation • functionality-grannomics »

ergonomics»



X-BIONIC® Underwear Bionic Vitalizer™ «awarded for • outstanding Design quality • workmanship • choice of materials • degree of innovation • functionality-

ergonomics»



X-BIONIC® Underwear Bionic Energizer™ «awarded for: • outstanding Design quality • workmanship • choice of materials • degree of innovation • functionality.

ergonomicsx



X-BIONIC® Runningwear Jacke mit Flaps" «awarded for: outstanding Design quality • workmanship • choice of materials • degree of innovation • functionality

functionality-ergonomics»



X-BIONIC® Energy Accumulator™ nominated for the Volvo Award 2006.



China X-BIONIC® Underwear Energy Accumulator™ V2 «awarded for: • outstanding Design quality



China X-SOCKS® Trekking Energizer™ «awarded for:







X-BIONIC®
Energy Accumulator™
«For most innovative design and most advanced product quality»



INDUSTRY AWARD 2006

X-SOCKS®
Trekking Energizer
Functional Socks
«For most innovative
design and most
advanced product quality»



X-BIONIC® Underwear Bionic Vitalizer™

red<mark>dot</mark> design award winner 2006



X-BIONIC® Underwear Bionic Energizer™

reddot design award winner 2006









X-BIONIC® Underwear Energy Accumulator™

red<mark>dot</mark> desi design award



«X-BIONIC® UnderGear Energy Accumulator™ has set the standard in design and function for long time to come.»

red<mark>dot</mark> design award winner 2005





The Army's seal of quality.



Awarded for:
- most innovative design
- Best climate-regulation function
- Most advanced technology



X-SOCKS® Official Supplier of the 2007 Biathlon World Championships Anterselva.



X-SOCKS® Official Supplier of the Mountain Rescue Association.

XBIONIC®
FUNCTIONAL UNDERWEAR





X-Technology R&D Swiss Samstagernstrasse 45, CH-8832 Wollerau

© 2/2007 X-Technology Swiss.
X-SOKS® is protected by European Patent No. 1011352,
USA Patent No. 6286151, Australian Patent No. 742686
X-BIONIC® FUNCTIONAL UNDERWEAR is protected by
Patent PCTDIC 90/30023. DE UP 9037042587, US 10/500872.
Utility patent DE 202 02 940.3, utility patent DE 403 01 900.1

X-BIONIC", X-SOCKS", X-Cross", Energy Accumulator", 37°CCR-Technology", High-Impact Technology", Bionic Vitalizer", Bionic Energizer", Aktivbund", Airflow Ankle Pads", 30-BionicSphere", ISO-Pad", AirConditioning Channel", AirGuides", ExpansionKnee", AirConditioning Spot", X-Technology", Outer-AirChannel", Evaporation Surface Expander", InnerAirChannel", Humdinger", Biber-Shirt", Sorban-Evapore", Macrotermes", Microvent" are registered trademarks of X-Technology Swiss.

X-SOCKS®, X-BIONIC® Functional Underwear, X-BIONIC® Functional 2nd Climate Layer manufactured by Trerè s.r.l., Via Modena, 18, I-46041 Asola. Under license of X-Technology Swiss. Printed in Italy 2/2007

www.X-SOCKS.com

www.X-BIONIC.com



