



MOTORCYCLE

ABOUT US

SIXS' history began in 2009 in Italy, in Bagnara di Romagna (province of Ravenna) to be more precise. An overwhelming love for sports and an in-depth knowledge of textile technologies combined together to give rise to the company. The result is a patented, extremely innovative fabric sold on the world market of sports apparel, but that is made only in Italy. A fabric that optimally interacts with the human body. It is not a barrier, but rather a "second skin" able to ensure proper insulation and manage sweat wicking.

"Innovative Solutions for Sports" is what the acronym and name SIXS stands for, so it is easy to guess how much innovation and research into the development of this product are deeply rooted.

Everything began with six simple products and no expensive advertising campaigns, but rather only the certainty of the quality and effectiveness of this Italian-made excellence.

In just two years SIXS became a brand distributed in over 1,000 points of sale throughout Italy simply by offering field tests to athletes and retailers.

Growth was non-stop, and the number of items in the catalog rose to over 100. No longer is just technical underwear offered. There are also sports outerwear (Activewear) lines, impact protection (Pro Tech), as well as a Kids line and a full range of accessories. All of this is based on the use of the patented fabric that makes SIXS items incomparable in terms of quality and effectiveness.



Maurizio Gerini
Dakar 2019

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Registered Trademark
PATENTED TECHNOLOGY

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YOUR SECOND SKIN

THE SECRET LIES IN THE FABRIC



WHAT MAKES US UNIQUE?

Those who still haven't had the pleasure of personally trying on a SIXS garment often ask themselves: "What is so special about these products?" The answer is very simple: it is called **Original Carbon Underwear®** and it is the patented fabric that makes our garments unique.

The result of years of research, the precise blend of technical fibers and distinctive weaving stitch ideally come together to create a fabric designed to help athletes attain a level of comfort never before experienced during their sports activities.

The configuration of Original Carbon Underwear® allows sweat to be truly taken away from the skin to the outside due to low density zones properly alternating with light pressure zones. This peculiarity ensures the athlete **correct thermal insulation** and **optimum breathability under all conditions**.

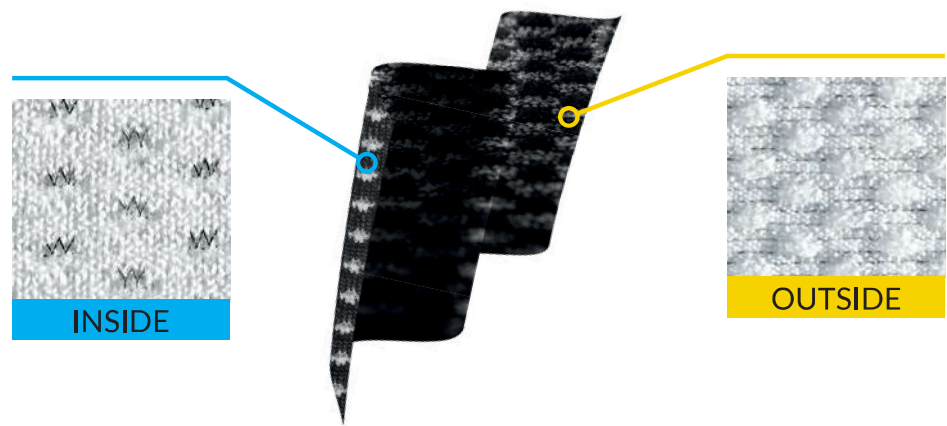
The structure of the fabric just described can be achieved only by combining the weave stitch with technical fibers, and this is why SIXS products are hard to copy.

The low density zones are created by using **carbon fiber** that not only is extremely hard-wearing and ultralight, but also boasts an enormous thermal insulation capacity (it is, in fact, commonly used in spacesuits). Its fineness in the form of textile fiber, which makes it practically invisible to the human eye, creates those micro cavities that channel sweat to the outside so the skin is left dry.

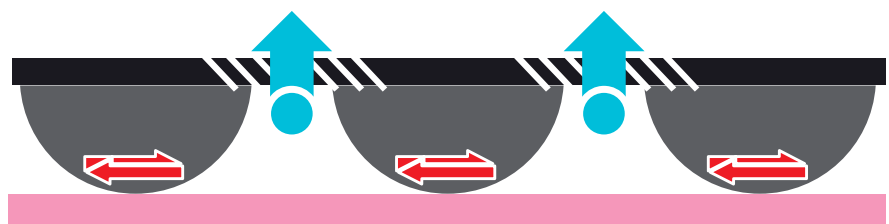
The polypropylene, polyamide fiber and polyurethane fiber, complete the blend and add essential characteristics such as: thermal insulation, water-repellency, bending and wear resistance, stretch and non-deformability.

100% MADE IN ITALY







We are proud to boast **100% Italian design and production** that represent a guarantee of a **high quality product**. This also allows us to constantly make progress as we can quickly adapt to the technical evolution of the market.



FABRIC SECTION



KEY:

- | | | |
|--|--|--|
|  Low density zones |  Movement |  Moisture leakage |
|  Light pressure zones |  Skin |  Fabric |

CONSTANT THERMAL INSULATION



Thanks to its blend of textile fibers, the Carbon Underwear® fabric is just like a breathable barrier that keeps the body temperature constant under all weather conditions.

HEAT LOSS CAPACITY

HEAT TRANSFER RATES

CARBON UNDERWEAR®		6
PES		8
WOOL		8,4
NYLON		12,6
COTTON		20,1

MAXIMUM BREATHABILITY



The patented SIXS weave stitch and the polypropylene found in our fabric create a perfect combination: a lower liquid absorption rate and a greater water vapor permeability than other textile fibers.

SWEAT WICKING INDEX

CARBON UNDERWEAR®		100
PES		72
NYLON		71
COTTON		60
WOOL		56

BACTERIOSTATIC

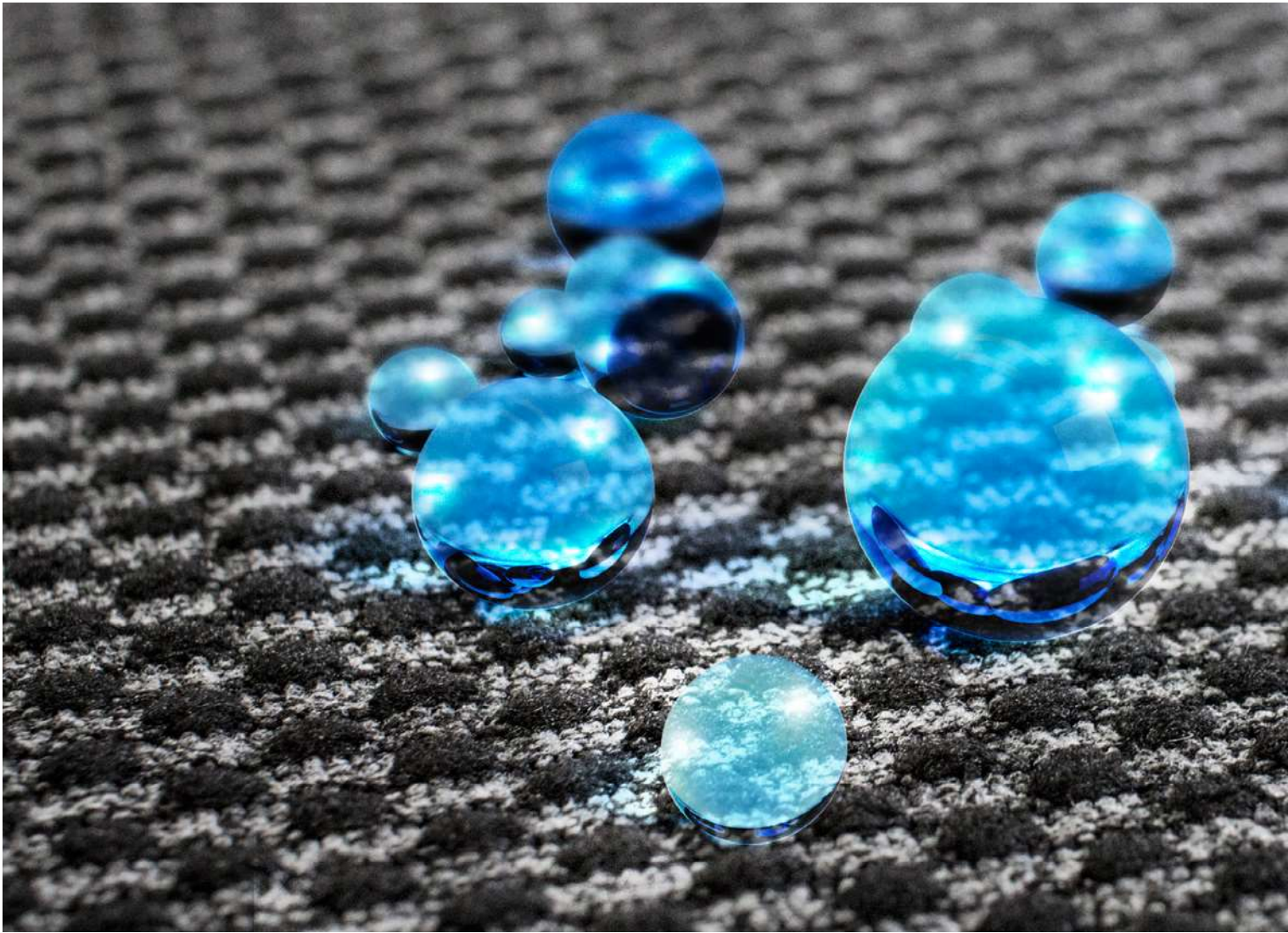


Because it respects the skin and protects it from bacteria and pollutant dusts: the Carbon Underwear® fabric has properties that eliminate the risk of annoying allergies, reduce the proliferation of bacteria and the procreation of bad smells.

ANTISTATIC



Because of its conductivity, the fiber absorbs and disperses electric charges accumulated from the environment or during physical exercise.



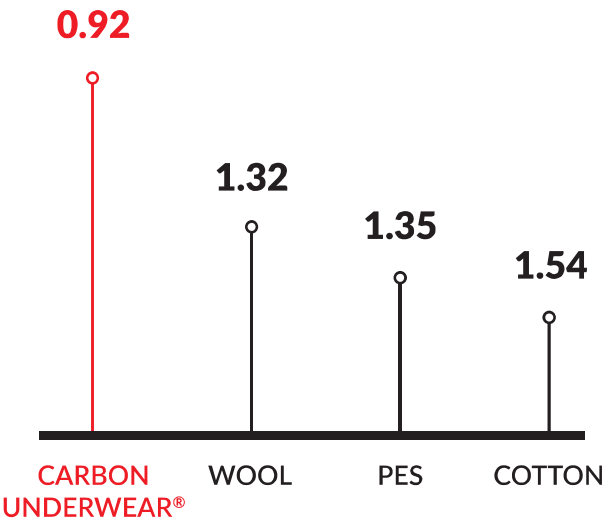
LIGHT AS A FEATHER



The Carbon Underwear® fabric has the lowest specific weight of all textile fibers on the market.

LIGHTNESS

TEXTILE FIBERS IN G/CM³ - SPECIFIC WEIGHT



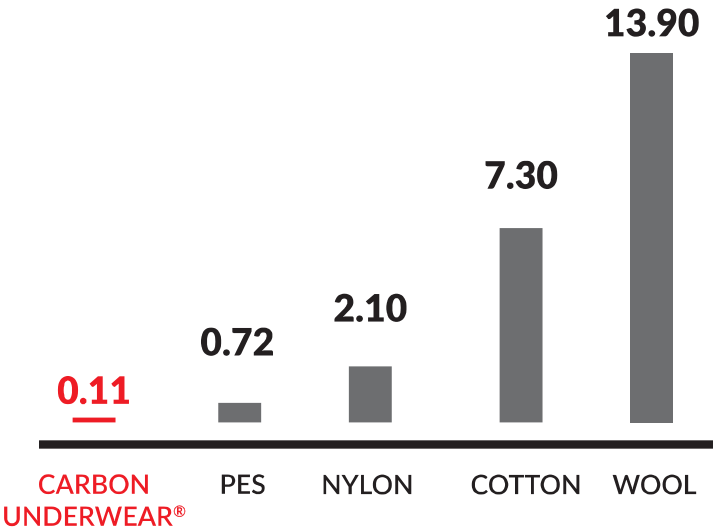
FAST DRYING



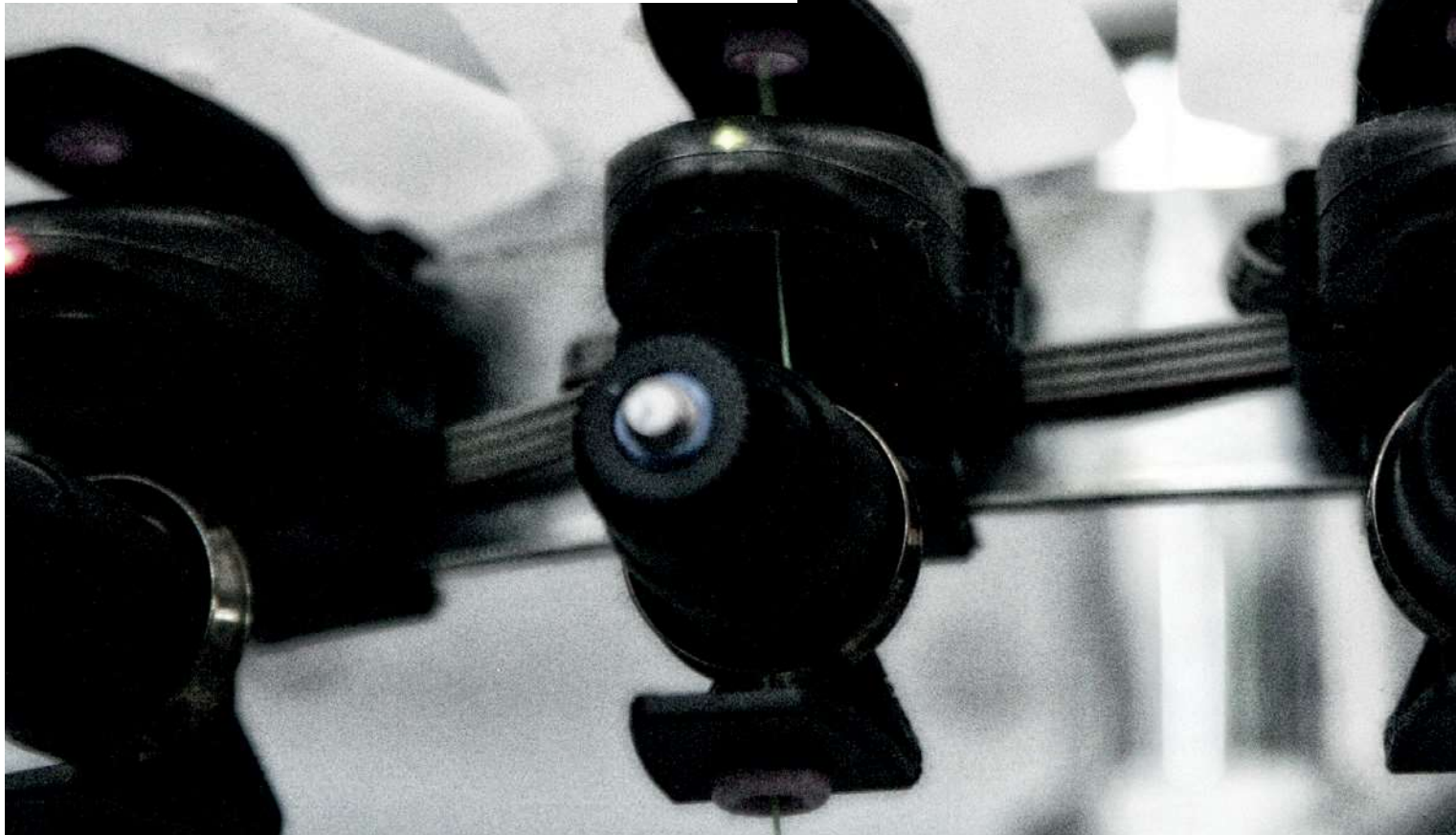
The fabric does not absorb sweat, but rather carries it to the outside so that the skin is left dry. The garments dry quickly after being washed.

LIQUID ABSORPTION RATE

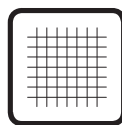
LIQUID ABSORPTION RATE WATER CONTENT GIVEN AS A PERCENTAGE OF THE DRY PRODUCT WEIGHT



MATERIALS

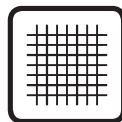


CARBON COMPARISON

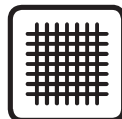


SuperLight
Carbon Underwear®
breathability $< 2,5 \text{ m}^2\text{Pa/W}$

LIGHTER
36%



Carbon Underwear®
(four-season fabric)
breathability $< 3 \text{ m}^2\text{Pa/W}$



Thermo
Carbon Underwear®
breathability $< 3,5 \text{ m}^2\text{Pa/W}$

DENSER
45%

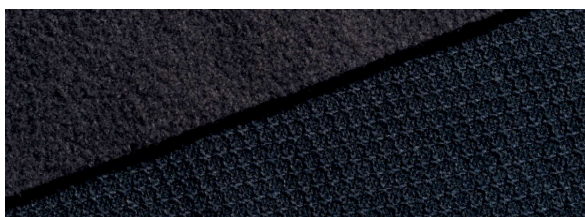
Between 2009 and 2014 Carbon Underwear® was the only fabric that SIXS used to make the Underwear line as it proved to be ideal for both summer and winter. This is why we call it "4 Seasons".

Our R&D laboratories were able to start from this excellent starting point to create another two fabrics that are able to exalt breathability in the one case, and thermal insulation in the other.

They are **SuperLight Carbon Underwear®** and **Thermo Carbon Underwear®**. The first was designed to create the Underwear Light line specific for the summer and warm climates, while the other forms the Underwear Warm line, the perfect ally for winter cold.



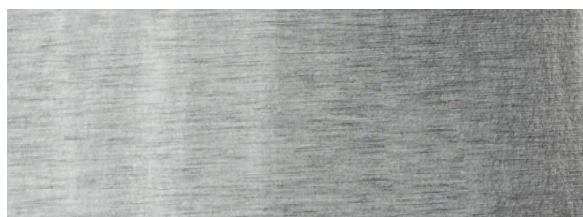
WINTER BARRIER



Bonded fabric consisting of an outer windproof layer and synthetic fleece on the inside. It provides a barrier impervious to cold air and is warm and soft in contact with the skin.

- airtightness < 8 mm/sec
- breathability < 18 m²Pa/W

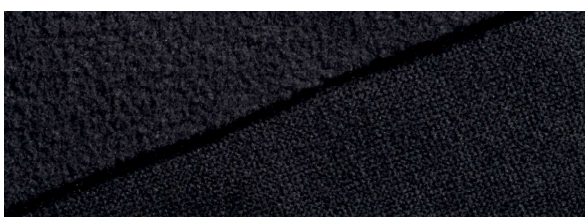
CARBON MERINOS WOOL



The polypropylene layer in contact with the skin prevents accumulation of perspiration, providing unmatched comfort. The merino wool is properly placed in the outer layer to act as a barrier.

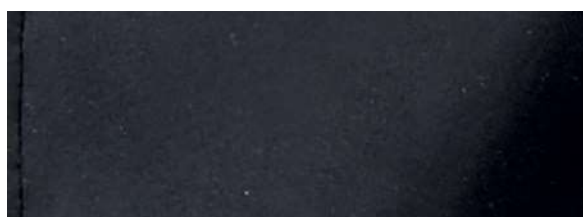
- breathability < 6 m²Pa/W

THERMOPILE



Fabric 150 g in weight, 100% polyester: extremely warm in contact with the skin, soft, and with outstanding anti-pilling properties.

TD SHIELD



Windproof and water-repellent polyester membrane.

- waterproof: > 10,000 mm water column
- breathability < 18 m²Pa/W

TECHNOLOGIES





COMPRESSION TECHNOLOGY

Graduated compression to stimulate oxygenation and blood circulation, which help recovery and boost power



INTELLIGENT SAFE PROTECTION

Thanks to the special impact-sensitive protectors, the product is soft and pliant, so it perfectly adapts to the body's anatomy. The protectors stiffen at the time of impact and absorb the force of impact



HYDROPHOBIC WEAVE

It carries moisture to the outside so it can evaporate. The skin is always dry and thermal insulation is constant



PLUMA INNOVATION

Ultra-light product



SPF 50

Sun Protection SPF 50+



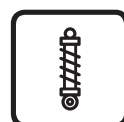
MERINO WOOL

Product containing merino wool



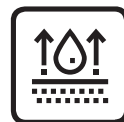
BRAINY POSITION

Mix of breathable and windproof fabrics positioned at optimal areas to ensure product functionality



CUSHION

Cushioning pads



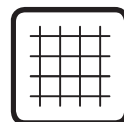
WATERPROOF PRIME

Waterproof and breathable product



HIGH VISIBILITY

Reflecting inserts for maximum visibility



GRID-TECH

Very high level of breathability owing to the large mesh structure



AIR SHIELD

Breathable windproof protection



ANTIBACTERIAL FIBER

Polypropylene fiber prevents foul odors and annoying irritations due to build-up of perspiration and chafing from forming



ANTISTATIC SYSTEM

The carbon yarn isolates the static electricity caused by the rubbing of fabrics



SEAMLESS TECHNOLOGY

Less seams for an absolute comfort



3D TECHNOLOGY

3D honeycomb structure

COMFORTABLE SITTING



AGILE PAD



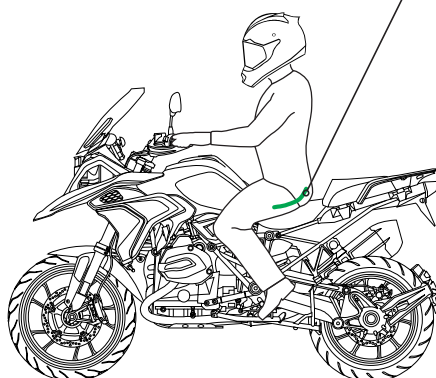
Medium-density butt-patch that is comfortable and versatile for all uses. It is designed for short to medium distances (up to 3h of non-stop pedaling).

It boasts a thin design to take up minimum space, is very flexible, and it has a double padding layer (4 mm thick in the outermost part, while the center zone arrives at 8 mm) to guarantee adequate shock absorption for road cycling and outdoor activities.

MOTORCYCLE PAD



Revolutionary double density butt-patch specifically researched for motorcycling. Its peculiar shape covers precisely the zones subject to vibrations and chafing. Made up of a base 4 mm thick (density of 40 kg/m³), on which the 90 kg/m³ inserts are fitted to protect the ischial zone (6 mm thick) and the leg area (3 mm thick). Breathable butt-patch for first-rate comfort during long trips astride the motorcycle.



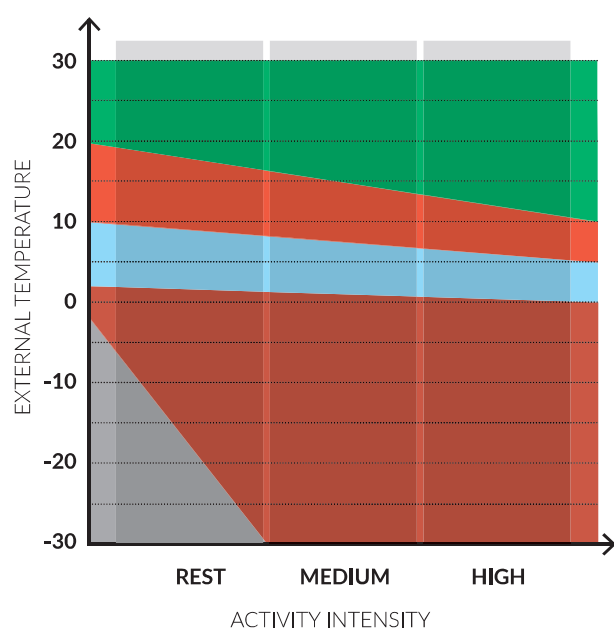
This pad is developed for an "Adventure" riding position where the knee drops over the seat and below the hip joint. This riding position places additional weight bearing and pressure in the area of the inner thighs/upper groin. The MOTORCYCLE PAD is optimized to reduce chafing in this area.

TEMPERATURE AND INTENSITY



The two main factors that determine the choice of one product over another are the level of physical activity (such as intensity of effort) and the temperature of the environment in which the product will be used.

TO UNDERSTAND THE RECOMMENDED USE OF SIXS BASE LAYER PRODUCTS, YOU CAN REFER TO THIS CHART:



KEY:

- UNDERWEAR LIGHT
- UNDERWEAR WARM
- UNDERWEAR
- MERINOS WOOL
- UNDERWEAR WINDSHELL

