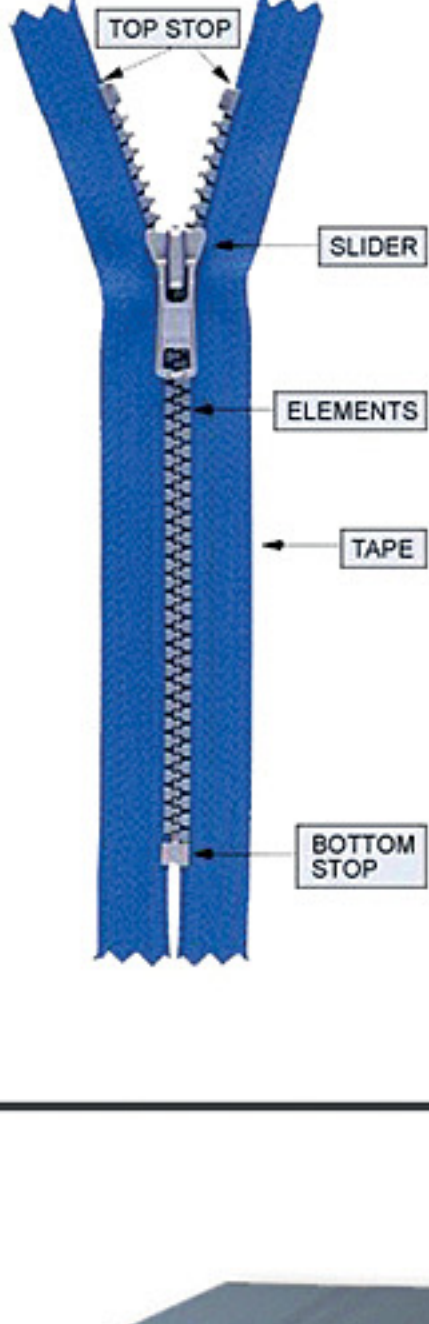


# YKK

The slider joins or separates the elements when the zipper is opened or closed. Various types of sliders are available depending on use.

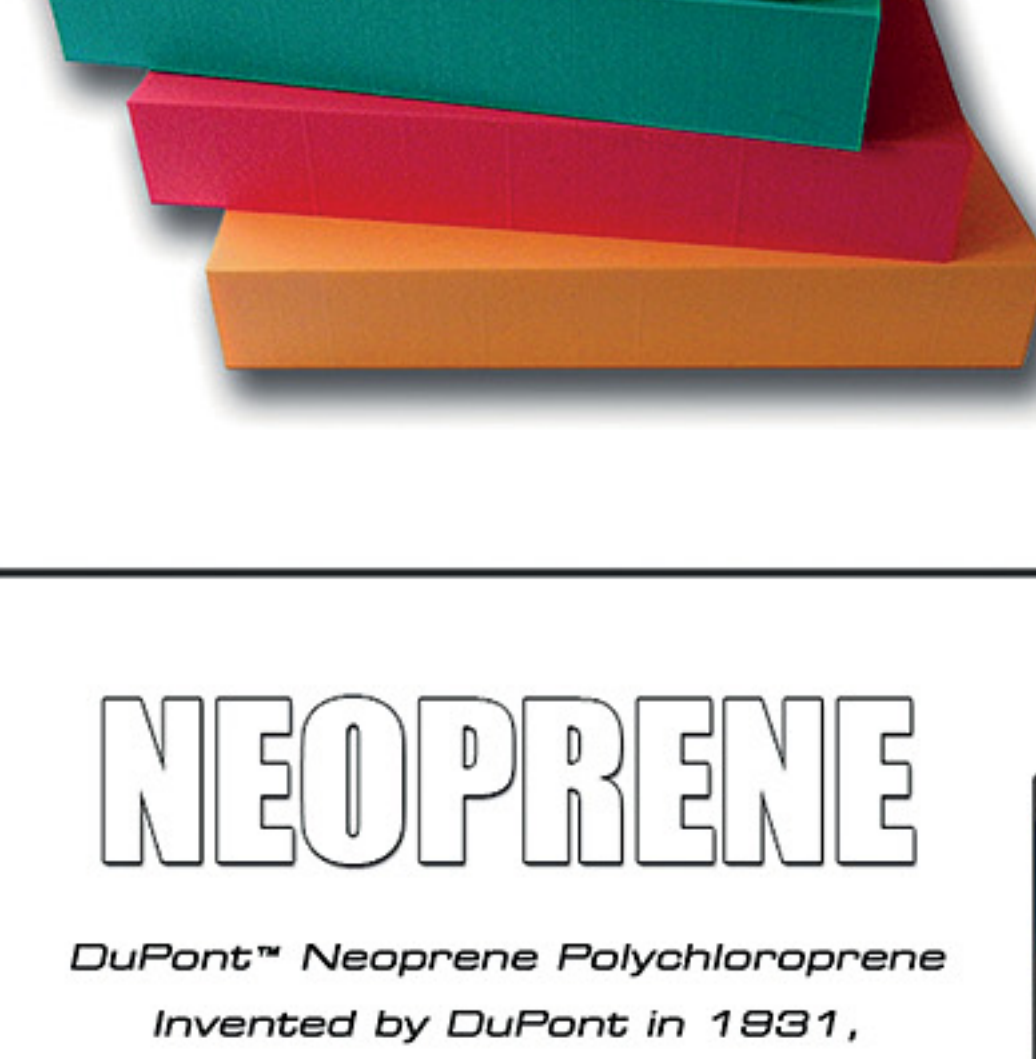
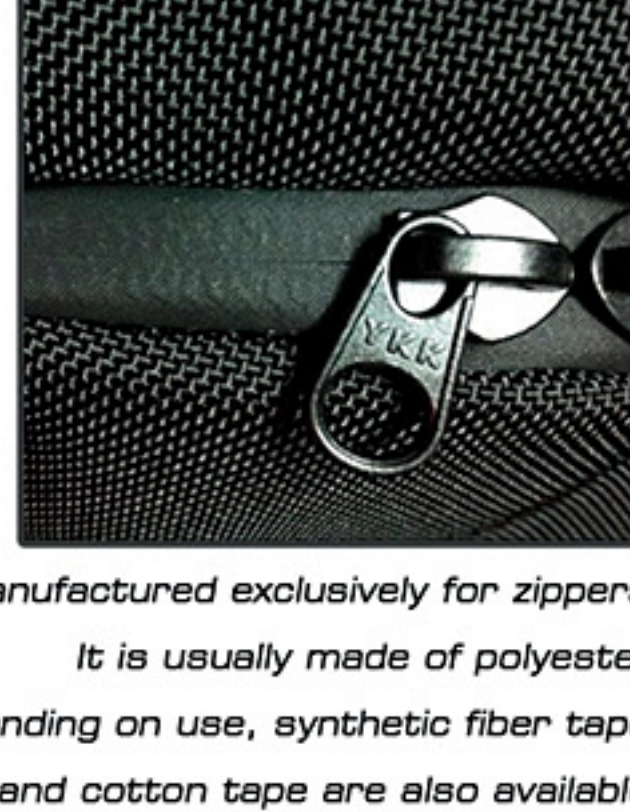


The teeth, also known as elements, are the parts on each side of a zipper that mesh, or engage, with each other when passed through the slider. When the left and the right side teeth are engaged they are called chain.



YKK® tape is manufactured exclusively for zippers.

It is usually made of polyester, but depending on use, synthetic fiber tape, vinyl tape and cotton tape are also available.

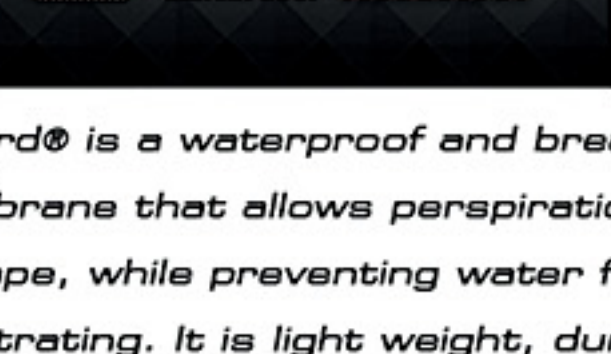


# EVA Foam

Ethylene vinyl acetate (also known as EVA) is the copolymer of ethylene and vinyl acetate. The weight percent vinyl acetate usually varies from 10 to 40%, with the remainder being ethylene. It is a polymer that approaches elastomeric materials in softness and flexibility, yet can be processed like other thermoplastics. The material has good clarity and gloss, low-temperature toughness, stress-crack resistance hot-melt adhesive waterproof properties, and resistance to UV radiation

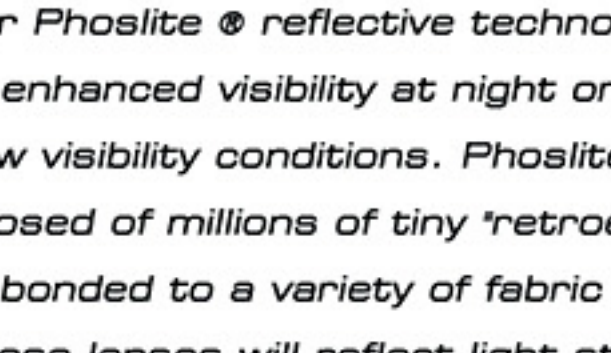
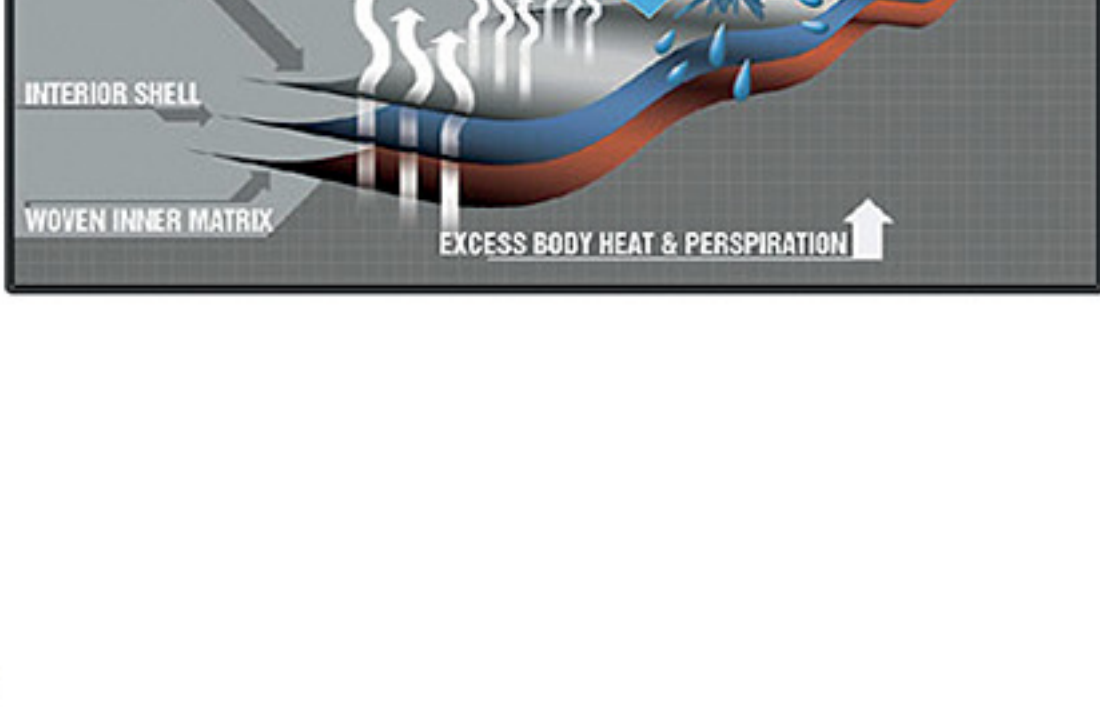
# NEOPRENE

DuPont™ Neoprene Polychloroprene  
Invented by DuPont in 1931, Neoprene is a versatile synthetic rubber still used for many chemical and weather-resistant applications today. Resistant to oil, wax and grease, Neoprene can withstand temperatures from -50°C to 120°C. It's also inherently resistant to ozone, weathering, and water or soil immersion.



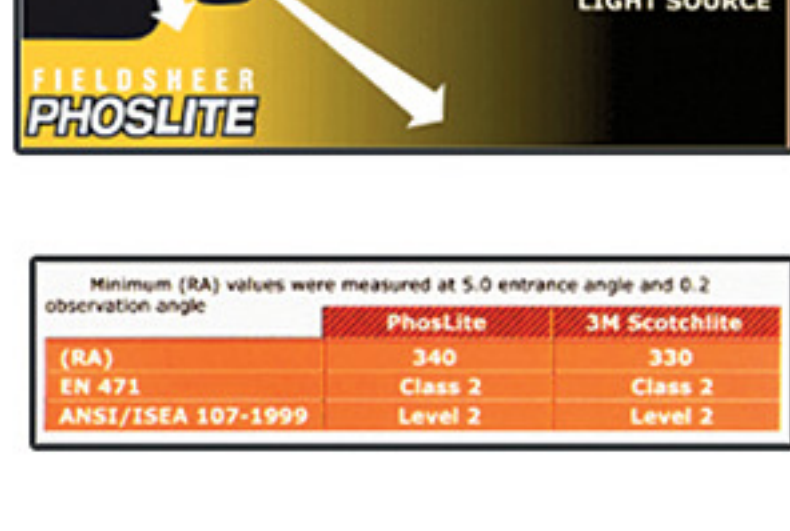
Rainguard® is a waterproof and breathable membrane that allows perspiration to escape, while preventing water from penetrating. It is light weight, durable and comfortable. This highly advanced membrane utilizes a polyurethane coating.

Rainguard® can be combined with leather, Carbolex®, or any other material to provide a waterproof and breathable interior. The way Rainguard® works is quite simple. The pores are 850 times larger than water vapor, so evaporated water can easily escape. On the other hand, the pores are 15,000 times smaller than a small drop of water, so rain and snow can't possibly penetrate.



Fieldsheer PhosLite® reflective technology is used for enhanced visibility at night or during low visibility conditions. PhosLite® is composed of millions of tiny "retroreflective" lenses bonded to a variety of fabric backings.

These lenses will reflect light straight back to the lighting source, providing reflective warnings to the light source. Retroreflective material is an industrial fabric composed of wide angle, exposed retroreflective lenses bonded with a special polymer layer to a durable 100% polyester cloth backing.



Minimum (RA) values were measured at 5.0 entrance angle and 0.2 observation angle			
	PhosLite	3M	ScotchLite
(RA)	340	330	330
EN 471	Class 2	Class 2	Class 2
ANSI / ISEA 107-1999	Level 3	Level 3	Level 3

# AQUA BARRIER

Our patented (US Patent # 8,158,573 & 7,778,485) waterproof and stretchable hood that stows away in the collar of the jacket. When in use, it prevents water from seeping down the back of the jacket.

# AQUATHERM®

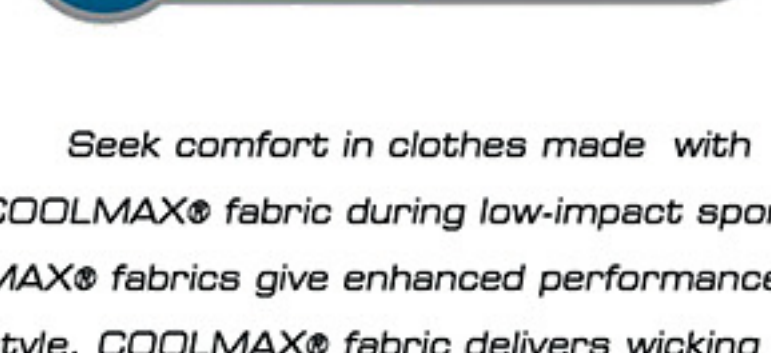
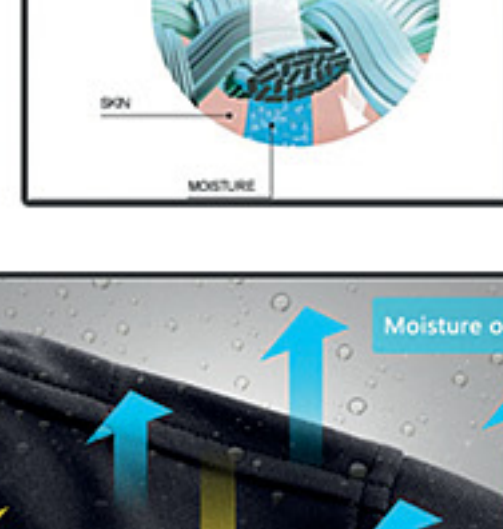
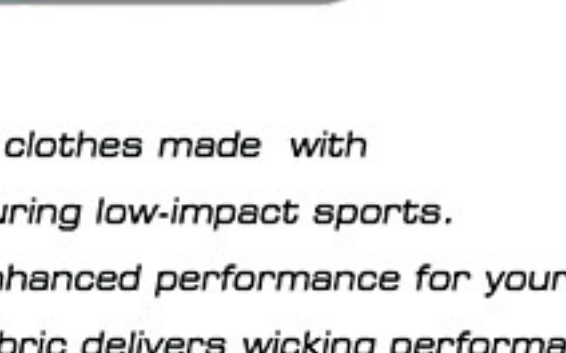
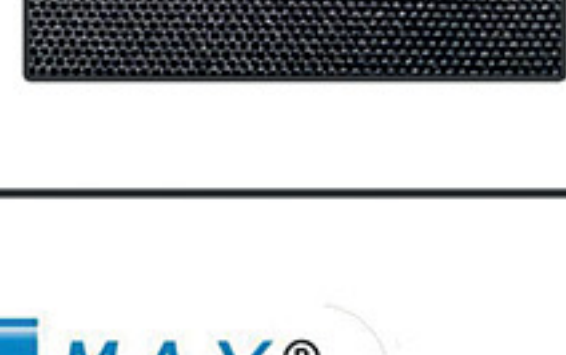
A uniquely soft and comfortable fabric that can be worn next to the skin or over thermals in the cold. A fully waterproof, a PUL, full-stretch polyurethane fabric. Aquatherm is made up of thermal membrane and a polyester soft knit lining, next to the skin. Aquatherm is less than a millimeter thick and remains stable, flexible strong and waterproof when fully flexed.



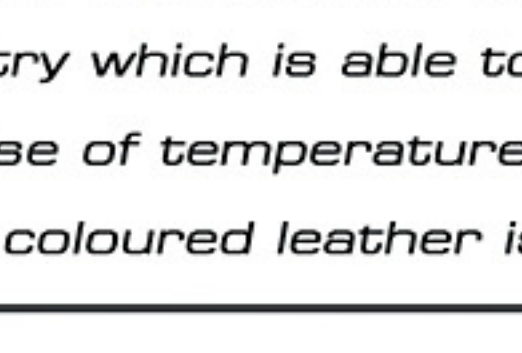
# CARBOLEX®

Carbolex functional fabrics are a key feature in Tourmaster textile jackets. Carbolex provides the waterproof, breathable and abrasion resistance functionality our customers demand riders seek.

Carbolex is over twice as durable vs. other nylons and polyesters in Wyzenbeek Abrasion testing as well as needing 150% more energy to rip in tongue tear testing where the fabrics partially slit and then further torn apart.



Seek comfort in fabric during low-impact sports. COOLMAX® fabrics give enhanced performance for your active lifestyle. COOLMAX® fabric delivers wicking performance to help move moisture away from skin, the best way to alleviate the sticky, tired and irritable feeling associated with continuous sweating. Now that you feel dry and cool, go ahead and get active!

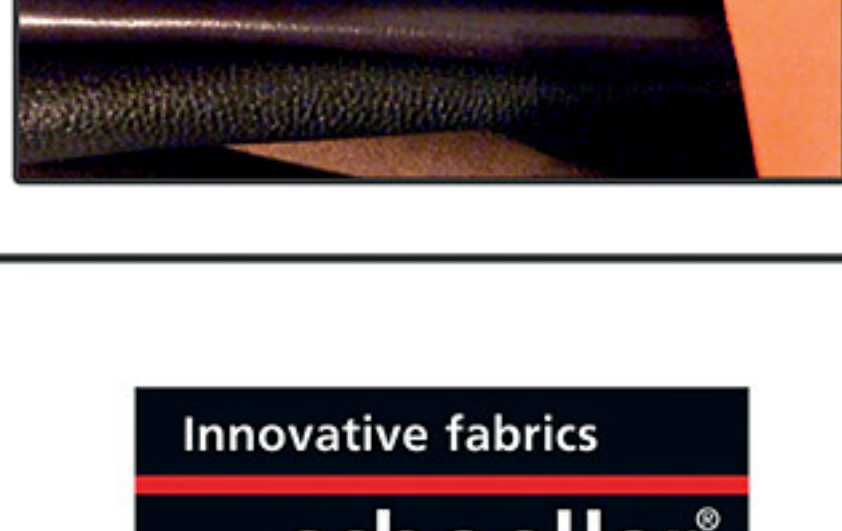


The TFL COOL SYSTEM is the first system offered to the leather industry which is able to restrict the rise of temperature on the leather surface when coloured leather is exposed to solar radiation.



REGULAR LEATHER (113°F) vs TFL LEATHER (68°F)

# Pittards®



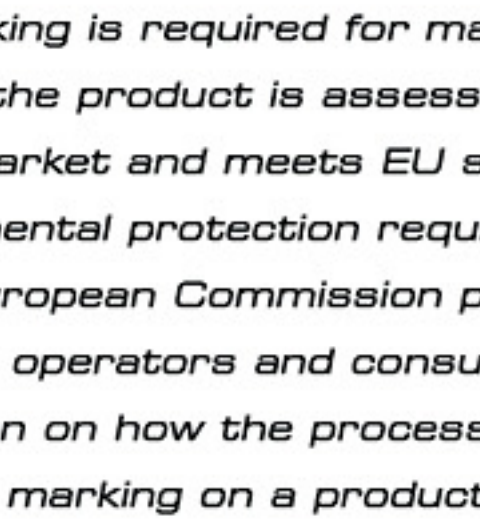
Pittards manufacture specialist sports leathers for many markets. A unique tannage enables the production of a bovine leather that is both extremely light and strong. All Pittards sports leathers are water resistant and have the properties of dryfastness and softness. To further enhance the leather, technical properties can be added to increase benefits, including Armortan® that will increase the wear resistance of the leather by up to 40% and Microspike which is an anti-microbial treatment for the leather.



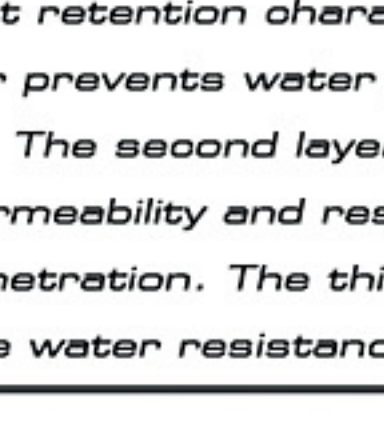
-High tensile strength aramid fiber woven material that is highly durable, flexible and abrasion-resistant.

# ESO

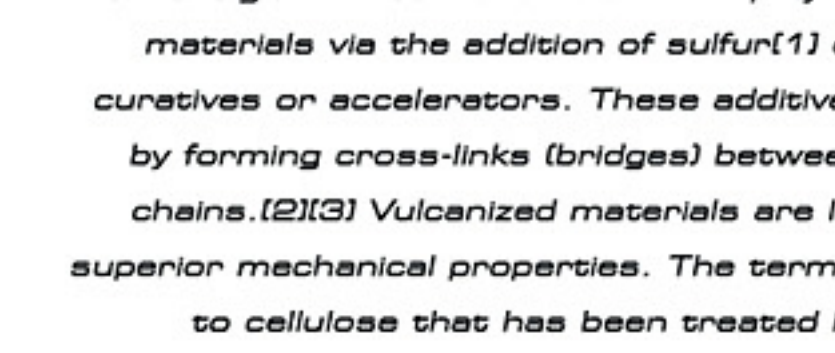
We are ISO 9001 2000 certified. We are the first zipper company in the Far East to be awarded ISO 9002. We were awarded OEKO-TEX in 2002 and maintain annual renew.



The CE marking is required for many products. It states that the product is assessed before being placed on the market and meets EU safety, health and environmental protection requirements. The European Commission provides economic operators and consumers with information on how the process of affixing the CE marking on a product works.



Hipora consists of a three-layer microporous silicon coating structure, impregnated with microscopic aluminium flakes to enhance heat retention characteristics. The first layer prevents water penetration and peeling. The second layer achieves moisture permeability and resistance to water penetration. The third layer increase water resistance.



1. While sewing procedure, there is a severe danger of deflecting membrane insert.  
2. During turn inside out there is a possibility of punctured membrane insert.  
3. mcfA performs best tactile & dexterity without losing membrane insert by removing tab & sewing

# VULCANIZED RUBBER

Vulcanization (or vulcanisation) is a chemical process for converting natural rubber or related polymers into more durable materials via the addition of sulfur(1) or other equivalent curatives or accelerators. These additives modify the polymer by forming cross-links (bridges) between individual polymer chains.(2)(3) Vulcanized materials are less sticky and have superior mechanical properties. The term vulcanized fibre refers to cellulose that has been treated in a zinc chloride solution to cross-link the cellulose fibers.





# JACKET TECHNOLOGY

► **PHOSLITE**<sup>®</sup>  
REFLECTIVES

CE

**RAIN GUARD**  
WATERPROOF TECHNOLOGY

ES0

**CARBOLEX**<sup>®</sup>

► **PHOSLITE**<sup>®</sup>  
REFLECTIVES

1680D  
BALLISTIC

CE

**EVA Foam**





**fourmaster**<sup>®</sup>

Innovation • Style • Comfort

# PANT TECHNOLOGY

**CARBOLEX**<sup>®</sup>

**€SO**

**PHOSLITE**<sup>®</sup>  
REFLECTIVES

**ACCORDIAN  
STRETCH**

**AQUATHERM**<sup>®</sup>

**EVA Foam**

**ACCORDIAN  
STRETCH**

Innovative fabrics

**schoeller**<sup>®</sup>  
Switzerland

**€SO**

**1680D  
BALLISTIC**

**VELCRO**<sup>®</sup>

**VELCRO**<sup>®</sup>



**fourmaster**

Innovation • Style • Comfort

# BOOT TECHNOLOGY

**VELCRO®**

**EVA Foam**



VULCANIZED  
**RUBBER**



**EVA Foam**

**YKK**

**3M**  
**Scotchlite™**  
Reflective Material





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# GLOVE TECHNOLOGY

**YKK**

**VELCRO®**



**EVA Foam**

fourmaster

HIPORA

**PHOSLITE®**  
REFLECTIVES

**ACCORDIAN**  
**STRETCH**

mc **FD**

**EVA Foam**



**YKK**

**GOAT**skin

VULCANIZED  
**RUBBER**

HIPORA





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# COVER TECHNOLOGY



► **PHOSLITE**<sup>®</sup>  
REFLECTIVES



ELASTIC™

**ALUMALITE**



**YKK**

ELASTIC™



**NYLON STRAPS**™



# GLOSSARY OF TERMS

Definitions of the technical terms used on our website & product descriptions.

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**Action Back** - A flex panel or bellows panel built into the rear shoulders or back that increases flexibility when reaching for the handlebars.

**Aerodynamic Speed Hump** - A padded hump that bridges the gap between the helmet and back thus providing positive aerodynamics and increased safety in case of an impact.

**Air-Mesh** - Breathable lining.

**Aquatherm Liner** - Tour Master's exclusive two-stage zip together liner featuring a waterproof and wind-proof layer and a second insulating liner to increase warmth in colder climates. The two stages can be used together or independently for maximum versatility.

**Aqua-Barrier Hood** - A proprietary under-helmet hood design that prevents rain from seeping down a rider's neck while maintaining comfort and visibility for the wearer. {U.S. Pat. Pending, Appl.# 11/831,874}

**Armor-Link Mesh** - Tour Master's original abrasion resistant mesh technology.

**Ballistic Weave** - A fabric weave originally developed for bulletproof armor vests, man-made fiber with a ballistic weave are known for their high level of abrasion resistance.

**Bemberg®** - A soft and durable lining material that is the man-made equivalent to silk.

**Carbolex®** - A highly abrasion-resistant nylon fabric that is easy to maintain and provides superior long-term durability.

**CE-Approved Armor** - Body armor panels that have passed the appropriate quality assurance tests for safety certification within the European Union. A manufacturer must test both the product and manufacturing process with a qualified third party in order to obtain the certification.

**Clarino™** - Synthetic leather that is comfortable, breathable and abrasion resistant.

**Collar Anchor** - A system designed to help eliminate jacket collars from flapping, especially when the collar is opened to increase ventilation.

**COOL MAX** - Performance fabric that includes reflective fiber-based moisture management system.

**Denier** - A unit of measure for the linear mass density of fibers, for comparison, a single strand of silk is 1 denier.

**Dobby 400 Denier Nylon** - A softer nylon material sometimes used in non-impact areas of ladies riding apparel to provide a softer, less stiff feel to the overall garment while maintaining abrasion resistance.

**Dupont® Thermolite** - A breathable, waterproof material that consists.

**ESO Zipper** - Highly engineered zippers that provide enhanced durability and ease of use.

**Exkin Air** - A water-repellent quick-drying liner used for insulation.

**Fourchettes** - Strips of material between the fingers of a glove that join the palm and top sections.

**Hipora®** - A breathable, waterproof material that consists of a three-layer micro porous coating structure.

**Kevlar®** - Innovative fiber technology from DuPont® that is incredibly strong, very light in weight and is best known for its use in bullet proof vests.

**Mandarin Collar** - A short-cut, stand-up type of unfolded collar.

**McFit** - A combination of glue and other colusives allow liners to be glued in, not sewn, thus reducing the possibility of errors and enhancing the feel of the glove.

**McTex** - A waterproof breathable barrier that is applied with glue and other cohesives; not sewn.

**Microfiber** - Fabric technology that extrudes extremely fine filaments (less than 1.0 denier) allowing for an extremely soft feeling fabric while maintaining all of the strength of other outer wear fabrics.

**Mycro Tech** - A highly abrasion-resistant synthetic leather.

**Phoslite®** - Reflective technology to enhance visibility that is composed of millions of "retro-reflective" lenses bonded to a fabric.

**Pipeline Ventilation System** - Tour Master's proprietary system of internal channels within a garment that are designed to maximize ventilation while eliminating garment billowing at speed. This system allows ventilation to pass through the waterproof barrier into the garment's interior while maintaining waterproof properties.

**Pittards** - A type of High-performance leather.

**Polyfill** - An insulating material produced with a random arrangement of fibers that increases warmth to a garment or glove.

**Polyurethane Backing** - A waterproof barrier created by bonding polyurethane onto textiles.

**Rainblocker™ Liner** - Removable, waterproof and breathable garment lining.

**Rainguard™** - A breathable barrier technology that has pores larger than air molecules but smaller than water molecules to allow perspiration exhaust and eliminate rain or water from penetrating a garment.

**Ripstop Nylon** - A lightweight, water-repellent nylon fabric with interwoven ripstop reinforcement threads in a crosshatch pattern, so the material better resists ripping or tearing.

**Scoop Vent System** - A hook and loop fastening system that allows a wearer to keep a vent folded open, turning the vent flap into an air scoop that inducts more air into a garment.

**SP Memory Foam** - Soft, flexible and durable polymer foam padding for protection and vibration dampening.

**3M™ Scotchlite®** - Retro-reflective lens technology bonded to a fabric for superior visibility in low-light conditions.

**Stretch Cordura®** - An extremely abrasion resistant and flexible material, CORDURA® is a registered trademark of INVISTA for durable fabrics.

**Taslan** - A type of woven polyester fabric that is very strong and durable.

**Takeup Straps** - Adjustable straps at the forearm and bicep to secure elbow armor and material as well as maximize vent openings.

**TecnoGI** - Thermoplastic toe and heel cup adds rigidity and protection.

**TFL® Cooling Leather** - A leather treatment that reflects UV Rays, resulting in a %15 surface temperature decrease compared to standard leather.

**3M™ Thinsulate** - Unique micro-fibers that trap warm air inside the garment and keep cold air out.

**Three Position Knee Armor Alignment System** - An exclusive Tour Master armor attachment system allowing riders to precisely position knee armor to best fit their particular knee to shin length relationship.

**TPR** - Thermoplastic rubber, a highly durable yet tactile synthetic for zipper pulls, belts and logos.

**TPU** - Thermoplastic Urethane, a highly durable protective piece.

**Triple Density Back Protector** - A three layer back protector comprised of a soft inner lining, a foam core and a hard foam outer shell.

**YKK® Zipper** - Highly engineered zippers that provide enhanced durability and ease of use.

**Z.O.Q.** - Tour Master's exclusive Zip Out Quilted liner allowing for very warm insulation in a less bulky garment.

Looking for [dependable motorcycle riding gear](#)? Rely on [Tourmaster for quality and long-lasting products](#).