



Hydronaute™ fabric technology

Hydronaute™ represents a new age in waterproof breathable fabrics.

Hydronaute™ technology fabrics are available in a number of alternatives;

- **Hydronaute™**, the standard in waterproof breathable fabric,
- **Hydronaute Ultra 2.5™**, the ultimate in lightweight performance,
- **Hydronaute PRO™**, the most durable waterproof breathable technology for all conditions

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- **Hydronaute XT™**, specially designed for Mont down clothing and sleeping bags to make the best insulation even better.

The use of these fabrics takes all Mont products to a superior level of performance by incorporating the latest advances in molecular science.

Highly breathable, moisture control technology which works harder as the level of moisture vapour increases; enhancing your comfort.



High Performance Fabric Technology

Hydronaute's high performance waterproof, highly breathable and windproof technology guarantees protection in all conditions. The combination of high performance new-age face fabrics with innovative laminate technology means superior weatherproofness and enhanced comfort.

Face Fabric Selection

The face fabric is a crucial factor in the performance of Mont Hydronaute™ garments. It affects the durability, breathability and 'feel' of Hydronaute™. Our access to the most advanced face fabrics means that Mont Outerwear is technically superior to previously used fabric technologies. In particular, the face fabric in our Bushwalking range has increased abrasion resistance, tear strength and pinhole resistance.



Comfort in the Extreme

In all conditions Hydronaute PRO™ provides a superior level of performance, delivering significantly enhanced breathability while maintaining a totally waterproof and windproof barrier.

Leaving in its wake the limitations of microporous technologies, Hydronaute PRO™ fabrics, with their Hydrophilic membranes, extend the range of breathable performance in real conditions, and raises the benchmark for durable waterproof breathable technology.

Hydronaute PRO™ – Superior Breathability.

Hydronaute PRO™ utilises the latest technology in bonding the breathable membrane to the face fabric. Unlike the bonding agents of most microporous fabrics which clog pores, Hydronaute PRO's is breathable in itself. This allows for a greater volume of moisture vapour to be transported through the membrane.

This new adhesive also allows for a much stronger lamination between the membrane and face fabric resulting in a high level of durability.

The most durable waterproof breathable technology is now here.



Lightweight Performance

In all conditions, Hydronaute Ultra 2.5™ provides the ultimate in lightweight performance — delivering a high level of breathability while maintaining a totally waterproof and windproof barrier.

The combination of a lightweight face fabric, a highly waterproof breathable membrane and a unique printed polymer finish, provides superior performance in the harshest of conditions.

Hydronaute Ultra 2.5™ is the perfect balance between compact, lightweight and waterproof breathable technology.

Dry Touch

A printed polymer finish, applied to the membrane, enhances durability and eliminates the need for a bulky tricot mesh lining.

This unique 'dry touch' finish dramatically improves next to skin comfort and breathability.

The result is one of increased durability and comfort in a lightweight, compact, performance shell.



Hydronaute XT™ is the only choice when it comes to the protection of your down products from wind and moisture.

Hydronaute XT™ has been developed specifically to protect and enhance the performance of sleeping bags and down clothing. It makes the best insulation even better.

Unrivalled Durability

The Hydronaute XT™ membrane technology and lamination process is extremely durable and unlike lightly coated or silicon finished products will not diminish so the performance of your down product will be maintained for many years.

Protection inside and out

Hydronaute XT™ protects down from moisture on the outside, but it's on the inside of the bag where Hydronaute XT™ really proves its worth.

Moisture vapour produced by the body can condense in the down of the sleeping bag reducing it's ability to loft.

With Hydronaute XT™, moisture vapour is pulled through the membrane via a molecular chain keeping down drier, maintaining loft and ensuring a more comfortable sleep.



Polartec® Power Stretch®

Polartec power stretch fabrics offer body-hugging 4-way stretch.

They keep you dry when you sweat and provide warmth without weight. The patented construction features two unique surfaces: the durable nylon outer is wind and abrasion resistant; the soft inner polyester layer pulls moisture away from your skin keeping you dry, warm and comfortable. Designed to be worn next to skin or layered over a lighter garment.



Polartec® Windpro® with Hardface®

Provides excellent protection from the elements. It gives fabrics an innovative look and feel for instant appeal that differentiates them from anything else on the market.

Technical features:

- 4 times more wind resistant than traditional fleece; greatly reduces wind chill
- Provides warmth without the weight and bulk of traditional insulating fabrics
- Water repellent surface sheds rain and snow
- Highly breathable; provides comfort in all activities; does not restrict the movement of moisture vapour
- Durable; will outlast other fleece fabrics and is machine washable



Polartec® Windpro™

Polartec Windpro™ fabrics block up to 95% of the wind. They provide warmth, outstanding breathability, and the lightweight comfort of fleece while offering twice the protection from wind chill. These durable, non-pilling fabrics maintain their insulating ability after repeated laundering. Windpro™ fabrics keep you warm and comfortable in a wide range of conditions.

200 Weight

Polartec 200 series fabrics with water repellency are the reference standard for lightweight warmth and breathability. These fabrics are non pilling and maintain their insulating ability after repeated laundering.



The new feel-good technology from Schoeller® Switzerland offers three functions in one. The superior 3XDRY® finish operates in three ways:

Outside — The 3XDRY® finish on your clothing repels moisture and is highly breathable. At the same time, 3XDRY® makes the garment less susceptible to soiling.

Inside — 3XDRY® transports moisture rapidly from the inside to the outside where it can effectively evaporate. This supports natural body functions and increases the overall feeling of comfort.

Incredibly Fast Drying — Garments with 3XDRY® dry significantly faster than other materials. 3XDRY® prevents shivering after active phases as perspiration cannot be trapped in the clothing. Also, garments with 3XDRY® will dry in a flash after washing.

Garments treated with 3XDRY® also feature Fresh Plus treatment, which prevents the development of bacteria and unpleasant odors.

All Schoeller® soft-shells™ fabrics used by Mont incorporate Schoeller's® outstanding 3XDRY® treatment.



Schoeller® WB-400 extreme

Schoeller® WB-400 extreme is an all-in-one three layer fabric which will keep you comfortably warm and dry.

The synthetic outer layer incorporates a Cordura® weave for superior abrasion resistance. The mid-layer is a breathable PU coating and the inside layer offers a variety of linings appropriate to the end user.

Schoeller® WB-400 extreme is the optimal soft-shell fabric collection for multi-seasonal outdoor activities and is featured in Mont's Meteor and Space Junky models.

Main Characteristics

- Reliable water and wind resistance.
- Extreme air permeability (breathability).
- Hard wearing, long lasting, abrasion & pilling resistant fabrics.
- Soft, light and permanent shape retention.
- Unsurpassed comfort & true freedom of movement.
- Fast drying 3XDRY® treatment
- New technology, new looks. warmth & heat retention



IBQ Drykeep®

IBQ DryKeep® is a group of intelligent fabrics with the following inherent properties:

- Keeps the body dry and comfortable, even during intense physical activity
- The complex cross section of fibres causes rapid evaporation of moisture away from the body
- The fibres maintain these characteristics forever without added chemicals
- Odour and mildew resistant

IBQ DryKeep® uses a highly functional, stretch, double weave construction. It is air permeable, water & wind resistant, permanently elastic and highly abrasion resistant. The inner weave incorporates Coolmax® keeping the body dry during peak activity levels.

Light, rapid drying, highly breathable and extremely comfortable, IBQ DryKeep® is featured in Mont's Kubric pants.



Ultra-Fresh fabric treatment is effective protection against odor causing bacteria, fungi and moulds.



Polarguard® – Durable high performance sleeping insulation.

Polarguard® continuous filament polyester is the recognized name for durable, high-performance sleeping bag insulation.

Polarguard® 3D is the third generation product. It is the Number One premium insulation on the market today. Like Polarguard® HV, Polarguard® 3D has a high void triangular cross section, plus, Polarguard® 3D has a finer denier that gives it more compressibility and increased warmth.

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Superior performance:

- Polarguard® is a continuous filament insulation.
- Polarguard® insulation won't separate, mat or clump, which means no lumps or cold spots, and it lasts longer.
- Superior loft retention, both wet and dry.
- Warmer than other synthetics, even when wet. Won't flatten out with continued use.
- Absorbs less moisture.
- Dries faster, yielding more comfort in cold, wet conditions.
- Easy to care for.
- Can be machine washed and dried or hand washed.
- Hypoallergenic.
- Odor free, insect resistant, mildew and fungus free.



Thermolite® is a high-tech hollow fibre Dupont yarn that results in a highly efficient fleece. Thermolite® fleece offers exceptional warmth for weight due to its excellent ability to trap warm air both in the fleece pile and within the hollow core of the individual filaments that make up the pile. Thermolite® fleece has luxurious velour feel. It is also highly pill resistant.

All Thermolite® fabrics are certified by Invista(Dupont) for performance, quality, and consistency. Fabrics are tested for the following characteristic before qualifying for the Thermolite® label:

- Warmth • Moisture management • Air permeability • Fibre content • Shrinkage

Benefits of Thermolite®

- Permanent insulating performance built into each fibre of the fabric
- Excellent moisture management without chemical fabric treatments
- Lightweight warmth that enables freedom of movement
- Soft, comfortable, non-chafing
- Shrink, wrinkle, and fade resistant
- Machine washable and dryable



Water Lab fabrics™ provide a high level of protection from the worst of nature's weather.

Water Lab fabrics™ combine hard wearing face fabrics with high performance PU membrane technology, resulting in waterproof protection you can rely on.

Water Lab fabrics™ are very durable and will withstand the rigors of rugged end use, making them suitable for many outdoor activities.

All products made using Water Lab fabrics™ are covered by warranty against defects

in materials and construction.

Water Lab™ benefits

- 100% waterproof
- 100% windproof
- highly breathable.



Mont's Micro fleece range has been developed using a stretch micro polyester fleece that incorporates a new class of performance fibres known as T400.

These revolutionary new fibres are direct-use yarns that require no texturing or covering. Specifically designed for applications that require low to moderate stretch, T400 fibres provide greater, more durable stretch and recovery, plus a softer, smoother hand compared to textured yarns currently in use.

T400 consists of newly developed multi component yarns that are produced with a smooth helical crimp resulting in fabrics that show superior stretch and recovery properties and greater durability than those of textured yarns.

In addition to its stretch and recovery properties, the T400 fibre has a unique cross section that improves fabric breathability and moisture management.

Benefits of T400

- Relaxed stretch for improved fit and ease of movement
- Smooth hand to provide added softness and a rich appearance
- Easy care with low shrinkage and excellent wrinkle resistance
- Dimensional stability for lasting shape retention
- High tear strength assures durability



Supplex, is a 100% nylon fabric with a texture and aesthetic quality that closely mimics the natural soft feel of cotton.

Supplex performance fabrics are hard wearing, UV stable and colour fast.

The wicking characteristics and fast drying performance of Supplex ensures a high level of comfort. Resistance to shrinkage and creasing makes for easy care and maintenance.



Bug Off™ anti-mosquito treatment helps to minimize the chance of mosquito bites.

Mosquitoes and other insects are repelled by a naturally occurring plant extract embedded within the fibres of the fabric.

The Bug Off™ insect repelling fabric treatment remains active for a considerable time even after repeated washing.

Additionally, this fabric has a high UV resistance and wicks moisture away from the skin's surface.

Bug Off™ multi-function outdoor fabrics are exclusive to Mont.