



AquaTech[®] by ESF

The Aquatech[®] concept was born from competition and is now used in a wide range of sporting applications such as the triathlon, surfing, swimming, walking, cycling, sports shoes, climbing, dancing, adventure treks, etc.

Its performance is also recognised in the world of fashion for men, women, expectant mothers, medical and many other applications!

sensational performance

4 Ways Stretch



Multidimensional elastic movement. The fabric is naturally stretched in every direction to follow muscle and joint movement.

Excellent dynamic performance

During movement, the skin is simultaneously subjected to major multidimensional extension.

The fabrics used in sport are therefore subject to the same constraints. Only Aquatech[®] offers **freedom of movement in every direction** without the need for extra effort.

It gives an extraordinary sensation of freedom, yet offers outstanding muscle support.



Second Skin & Shaper



A gentle retention mechanism creates an extraordinary and particularly effective second skin effect.

Revolutionary elasticity

Aquatech[®] products extend in four directions to offer a number of special features. Aquatech[®] allows for significant simultaneous extension without transferring traction from one axis to the other. The result is that Aquatech[®] offers much greater four-directional extension than a comparable mesh : **over 20% more extension.**

An extra quality : Aquatech[®] fabric offers extension without force, even when stretched heavily out of shape.

Ultra Light



Aquatech[®] is surprisingly light : a full range from 50 to 230 g/m² to meet the requirements of customers who are looking for lightness.

Incomparable lightness

The dry fabrics for sportswear have a superfluous weight of around 200 g/m² compared to 130 g/m² for Aquatech[®] for a comparable opacity, i.e. **a 35% weight saving.**

This difference increases for wet fabric.

Fast Drying



Practically dry when you step out of the water Aquatech[®] dries astonishingly quickly, a factor greatly appreciated in watersports or in poor weather conditions. **You feel dry almost immediately!**

Ultra-fast drying

The revolutionary Aquatech[®] concept was born from the combination of an ancient weaving technology, and the elastic Pagastic[®] yarns which have been produced from the latest developments by the Payen Group.

This incomparable structure offers a quality of ultra-fast drying: **3 minutes** for Aquatech[®] DryTech-C6 compared to 10 to 17 minutes for knitted fabric (Standard NF G07-166).

Breathable



Breathable

Aquatech[®] offers maximum breathability in the air, yet allows water and air to slide off the fabric without penetrating the fibres : hydro and aero-dynamic performance assured and demonstrated in numerous tests.

Pilling resistance



Aquatech[®] fabric retains its original appearance and stands up to the toughest conditions: **certified lasting quality!**

Pilling resistance

The French Fabric and Clothing Institute has carried out Martindale abrasion resistance tests in line with the NF EN ISO 12947-2 standard, with remarkable results : after **50,000 cycles**, Aquatech[®] fabric had **not suffered any wear and tear**, unlike a traditional chamoisee.

UV Protection



UV protection

Aquatech[®] provides a very high-performance protection against UVA/UVB, the measurement of the UV protection index, according to the AS/NZS 4399 standard, shows a figure higher than 700 UPF, which satisfy easily **the highest protection level : 50+**

Chlorine resistance



Chlorine resistance

With regard to chlorine resistance, an Aquatech[®] fabric **loses only 17% of its elasticity** after 60 hours of bathing, compared to 70% for a traditionally knitted structure.

Aquatech's outstanding resistance has been tested and confirmed.

Specific treatments



Specific treatments

All our AQUATECH[®] fabrics can receive the following treatment :

- **DryTech-C6:** water-repellent treatment AATCC 80 after 20 washes and air-dry (Spray Test: Standard ISO 4920), AATCC 100 after 50 washes and tumble-dry.
- **HydroTech:** hydrophilic treatment for moisture management.

Oeko • Tex[®] Standard 100

The testing and certification system of the Oeko-Tex[®] Standard 100 satisfies the many and varied consumer requirements of modern textile products :

- Manufacturing textile products of all types, ecologically harmless for humans.
- Simplifying and accelerating terms of delivery for manufacturers and retailers who wish to offer their customers textile products which pose no risk whatsoever to health.
- A reliable product label for consumers who specifically aim to buy textiles which are harmless to health.