Multifunctional yarns from a natural technology
Natural and ecologic yarn obtained by adding activated carbons derived from coconut shells to the polymer of the polyester. ECOfresh polyester yarns - which come from a natural and sustainable resource through a natural and ecologic technology - can give fabrics a high control on humidity, odour resistance and permanent protection against UV rays. They are suitable for any use, from apparel to home-furnishing, as they are realized with different technologies in a wide range of counts. Available natural and package dyed.

**HUMIDITY CONTROL**

In the past, the concept of humidity control was relevant only to professional athletes, nowadays it is important to all of us. Let’s think about the idea of maintaining skin, car seats and shoes cool and dry in the summer and warm in the winter, for example. Fabrics realized with yarns containing ECOfresh increase the effectiveness of the natural cooling process that our body conducts when we sweat. But this is not enough: true comfort can only be obtained when the humidity formed by our bodies is rapidly dried.

The ability to absorb and uniformly distribute the humidity to the surface of the fabric, and therefore dry it rapidly, gives these fabrics evaporation speeds and drying times that are far more rapid than traditional polyester fabrics (a fabric made with 50% of yarns containing ECOfresh transpires 50% more).

**ODOUR CONTROL**

Bad odours can be produced by our body or by the surrounding atmosphere. We can’t avoid bad odours, but we can avoid carrying them with us. Activated carbons contained in ECOfresh yarns absorb a high spectrum of odour molecules by attracting them within their pores. Odour molecules are then released and the absorption property of the carbons is renewed thanks to a normal washing and ironing of the fabric. All the fabrics certified by ECOfresh Inc. satisfy the requirements of the regulation ASTM D-5742-95.

**UV RAYS PROTECTION**

It doesn’t matter how attractive the blue sky can be, the dangers related to the sun exposure can’t be ignored. UV radiations considerably increase the possibility to develop serious diseases, vision problems and allergic reactions. Fabrics produced using Sinterama yarns containing ECOfresh create a protective shield between your skin and the harmful rays, providing a UPF that reaches values of up to 50+ depending on the structure of the fabric.