



# ACTI-SHIELD™ SOLUTION

THE WATER-REPELLENT SOLUTION

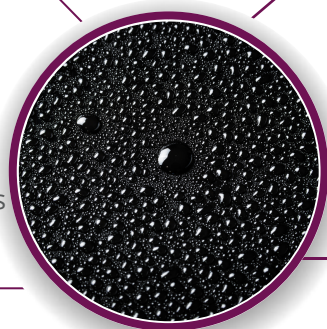
## THE WATER-REPELLENT SOLUTION WITHOUT FLUORINE DERIVATIVES

### PERMANENT FEELING OF WELL-BEING

ACTI-SHIELD™ offers **outstanding water-repellent properties**. This reduces the growth of bacteria and the formation of bacteria and odors while facilitating drying.

### ECO-MICROENCAPSULATED TECHNOLOGY

Features a **high-performance microencapsulated technology** that ensures prolonged persistence and long-lasting effectiveness.



### NATURALLY-OCCURRING SUBSTANCE

ACTI-SHIELD™ is a sustainable technology without fluorinated derivatives (PFOA and PFOS)

### COMPLIANT & RESPONSIBLE

Sustainable and durable, the ACTI-SHIELD™ solution is **respectful of man and the environment**.

## Mechanism of action

### OBSERVATION OF A DROP



UNTREATED COTTON FABRIC  
Contact angle < 90°



ACTI-SHIELD = NO WATER PENETRATION  
COTTON FABRIC TREATED ACTI-SHIELD™  
Contact angle > 90°

## Performance

Measurement of water repellency performance according to the international standard EN ISO 4920

**UNTREATED COTTON FABRIC** ❌

Sprayer

Untreated cotton fabric

**= WET FABRIC**

0/5\* = Full mooring

**TREATED COTTON FABRIC** ✅

Sprayer

Treated cotton fabric

**= DRY FABRIC**

5/5\* = Total water repellency



**2 hours**

Time of absorption of a drop on cotton  
Instead of **10 seconds** on untreated fabric ACTI-SHIELD™





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## Active treatment substances

ACTI-SHIELD™ is a new generation of cutting-edge technology. Based on vegetable waxes, ACTI-SHIELD™ is an exceptional water repellent free of fluorine derivatives (PFOA and PFOS). ACTI-SHIELD™ fluorine-free is a durable water repellent solution for optimal comfort.

## Safety and security

Thanks to the ACTI-SHIELD™ technology, water drops run off the surface of the textiles without being absorbed. Recommended for sportswear, sports equipment, underwear and professional clothing.

In the feather and down industry, ACTI-SHIELD™ is the ultimate solution to increase filling power, decrease the development of odor-causing bacteria and simplify the washing and drying of items.

## Regulations & Certifications

The ACTI-SHIELD™ technology has been tested and approved by an independent INTERTEK institute, a guarantee of performance and quality.



Total Quality. Assured.

## Application process

The ACTI-SHIELD™ technology allows the functionalization of textiles by making them waterproof.

### EXAMPLES OF TEXTILE SUPPORTS :



**BEDDING  
ITEMS**



**SPORT  
CLOTHES**



**OUTDOOR**



**HOME  
TEXTILE**



**UNDERWEAR**



**FEATHERS  
AND DOWN**

