

# NanoSphere®

NanoSphere® – naturally self-cleaning

NanoSphere®, the nanotech-based finishing technology allows dirt and water to simply run off the surface of the textiles. This mimics the natural self-cleaning effect of certain plants whose leaves always remain clean, because dirt simply cannot adhere to the finely structured surface, and is easily washed off when it rains.



www.nano-sphere.ch

# 3XDRY®

3XDRY® – the feelgood technology

The feelgood technology 3XDRY® makes textiles water and stain repellent on the outside and water absorbent on the inside. Clothes finished with 3XDRY® keeps the body dry, minimizes perspiration marks and stimulates a cooling effect.



www.3xdry.com

## The function:

The natural non-stick and cleaning process, also known as the self-cleaning effect, is transferred to the surface of textiles by means of nanotechnology. Compared to traditional textile impregnation processes, NanoSphere® achieves significantly better results with regards to:

- Water and dirt repelling properties
- Oil repelling properties
- Washing permanence

The protective function of NanoSphere® is still retained after frequent use and numerous washing cycles and has no effect on clothing comfort, look, feel, breathability or elasticity.

## The benefits:

Water or such substances as ketchup, honey, coffee or red wine run off. And if they don't happen to run off of their own accord, they can easily be rinsed off with a little water. Cleaning or washing the textiles is significantly easier. The textiles require less frequent washing and are washed at lower temperatures.



High level of water resistance



Naturally self-cleaning



Durable protective function



Minimizes perspiration marks



Stimulates a cooling effect



Repels water and stains

## The function:

The 3XDRY®-Advanced Moisture Management-finish combines two technologies in one textile: on the outside the textiles is finished with a water repellent function (hydrophobic), whereas on the fabric's inside it absorbs perspiration (hydrophilic). As a result, it reliably repels moisture from the outside. Moisture resulting from perspiration is quickly absorbed from the inner side of the textile, transported away from the body and distributed over a large surface area. The appearance, hand or the air permeability features are not influenced by the 3XDRY®-finish.

## The benefits:

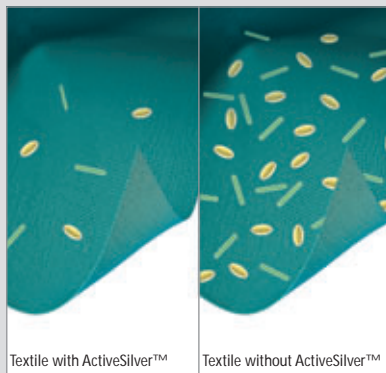
As a result of the widespread distribution of moisture over a large surface area, it can evaporate rapidly. Therefore, textiles with 3XDRY®-finish also dry noticeably faster than those without 3XDRY® and ensure a feel good effect in all activities:

# ActiveSilver™

ActiveSilver™ – controls bacteria. Sustains freshness.

ActiveSilver™ is the fresh textile finish based on active silver salts. These reduce body odour and other unpleasant smells. Skin flora is not affected by ActiveSilver™. For long lasting, reliable and wash resistant functionality the silver salts are fixed onto the surface of the fabric in an elaborate process.

- Reduces body odour
- Ensures freshness and hygiene
- Effective even after frequent washing
- Conforms with bluesign® standard. (See reverse)



ActiveSilver™ reduces the spread of bacteria

# FluoroFree™

FluoroFree™ – repels water and stains. Fluorocarbon free.

FluoroFree™ is a finishing technology that makes the surface of textiles water and dirt repellent. Unlike conventional textile impregnations, FluoroFree™ does not use any fluorides to achieve this effect. FluoroFree™ also offers excellent wash resistance. It is limited, however in oil repellency and resistance to dry cleaning. FluoroFree™ excels at repelling water and dirt.

- Soundly repels water and dirt
- Effective even after frequent washing
- Free of fluorocarbon, PFOS and PFOA compounds\*
- Complies with bluesign® standard. (See reverse)

\* Below the detection limit

