

HEIQ 
COOL

Dual action cooling

STARTS COOL, STAYS COOL

HeiQ Cool is the world's first textile technology to deliver both instant contact cooling and continuous evaporative cooling for optimal well-being day and night. It cools before the first sign of sweat, delays the build-up of heat and continuously regulates the temperature. Instantly cool to the touch, the components synergistically recharge the surface layer ensuring a consistently cool, dry and comfortable climate around the body.

**SWISS
TECH
INSIDE**



FOR TEXTILE

Outstanding qualities

- Revolutionary dual action: instant & continuous cooling
- Up to 3°C/5.4°F cooler fabric temperature
- Enhancing thermal & moisture comfort
- Contains >50% biobased content
- Based on a patented formulation

Added value

- Gives consumers a tangible cooling sensation at point of sale
- Maintains excellent hand-feel and hydrophilicity
- Exceptional cooling performance for the lifetime of the textile product
- Flexible finishing possibilities: Pad, Foam coating or Print

Wide-ranging applications

- Applicable to work on any fiber type: natural, synthetics and blends
- For home textiles and apparel

Standards

- USDA certified biobased products
- OEKO-TEX® suited
- Meets most brand RSL requirements

WHAT DOES IT DO?

HeiQ Cool imparts fabrics with a dual cooling capability for optimal comfort. Melting energy absorption delivers instant contact cooling before the first sign of sweat and delays the build-up of heat. The vaporizing energy action mimics the skin's thermal regulating system by providing continuous evaporative cooling as long as the body is hot and sweaty.

WHAT IS IT FOR?

HeiQ Cool is especially suitable for home textiles such as bed linen, sheets and accessories as well as mattress ticking and memory foam products. It is also designed for apparel, particularly fabrics that are within close reach of body heat.

WORLD'S FIRST DUAL ACTION COOLING TEXTILE TECHNOLOGY

Starts cool: Cooling starts when the body is hot. The biobased vegetable oil-derived thermo-functional polymer absorbs heat energy, giving an instant cooling sensation.

Stays cool: If the body continues to heat up, perspiration is generated and the patented hydro-functional polymer transports moisture away together with the heat, creating a continuous cooling effect that stops once cooling is complete.



instant

Melting energy absorption action



continuous

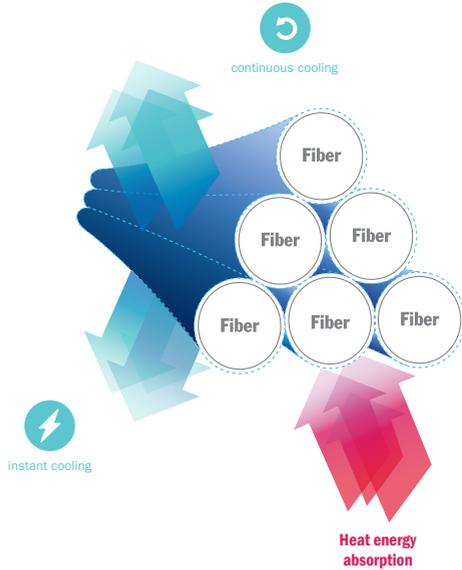
Vaporizing energy action

Effect	Instant contact cooling	Continuous evaporative cooling
Characteristics	Cooling independent from moisture	Closely mimics the skin's natural sweat thermal regulating system
Consumer benefit	Cools you even before the first sign of sweat on fabric, delaying build up of heat and sweat	Continuous cooling for as long as you are hot and sweaty
Basis	Biobased vegetable oil-derived thermo-functional polymer	Patented hydro-functional polymer

INNOVATIVE CHEMISTRY AT WORK

DUAL MODE OF ACTION

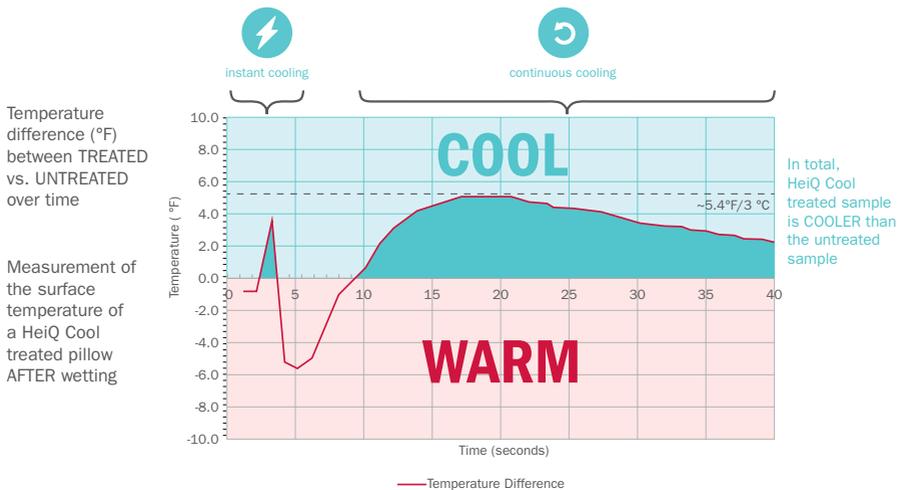
Instant & Continuous cooling



HEIQ COOL PUT TO THE TEST

Over time, HEiQ Cool treated fabrics provide in total a cooler sensation compared to an untreated fabric sample – initially and continuously.

COOLING POTENTIAL OF HEIQ COOL TREATED FABRICS



Watch the video!



Sustainable technology for dual action cooling

HeiQ adheres to the highest standards of sustainability and HeiQ Cool is no exception.

- HeiQ Cool products contain more than 50% USDA certified biobased content
- Combination of a patented hydro-functional polymer with a biobased vegetable oil-derived thermo-functional polymer
- Saves time in the drying process during application compared to standard PCM (Phase-Change-Material) solutions
- OEKO-TEX® suited

HEIQ^{COOL}



OEKO-TEX® suited



Get inspired and learn more about our innovative technologies
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For more details and references please ask for our HeiQ Cool Technical presentation