HEIQ⁹ ALLERGEN TECH



HEIQ **Differentiate.**



HEIQ ALLERGEN* TECH

ACTIVE PROTECTION

EN: *Thanks to the proprietary combination of biobased pre+probiotics, this fabric technology reduces inanimate allergens on the surface such as dust mite matter & pet allergens.
FR: Grâce à la combinaison unique de pré+probiotiques biosourcês, cette technologie textile réduit les allergènes inanimés en surface, tels que les acariens et les allergènes d'animaux domestiques.
DE: Dank der einzigartigen Kombination aus biobasierten Prå- & Probiotika reduziert diese Stofftechnologie unbelebte Allergene auf der Oberfläche wie Hausstaubmilben und Haustierallergene.
ES: Gracias a la combinación única de pre+probióticos de base biológida, esta tecnología textil reduce los alérerons inanimados en la surefrie.com Du se ácarns

del polvo y los alérgenos de las mascotas. II: Grazie alla combinazione unica di pre+probiotici di origine biologica, questa tecnologia tessile riduce gli allergeni inanimati presenti sulle superfici, come gli acari della polvere e gli allergeni degli animali domestici.

This fabric technology (HeiQ Synbio HAL-01) is approved by Allergy UK.

Get inspired and learn more about our innovative technologies on: www.heiq.com

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HEIQ ALLERGEN TECH SYNBIOTIC PROTECTION

NATURALLY DERIVED TECHNOLOGY

HeiQ Allergen* Tech is a 100% biobased, proprietary technology that reduces exposure to allergens such as house dust mite matter, and pet allergens with the help of active probiotics.



(*Inanimate allergens such as house dust mite matter & pet allergens)

FOR TEXTILE



Outstanding qualities

- Significant reduction of inanimate allergens from textiles
- 100% biobased** technology
- Based on the natural process of probiotic colonization
- Utilizes a powerful blend of multiple nonmodified bacterial strains

Added value

- Allergy UK endorsed
- Patent-pending
- Durable performance beyond 20 home launderings
- Non-irritant to the skin
- No impact on fabric properties such as breathability, color, hand feel or wicking

Wide-ranging applications

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

Standards

- OEKO-TEX® suited
- Meets most brand RSL requirements
- USDA bio-preferred certification in progress
- Designed for circularity

WHAT DOES IT DO?

HeiQ Allergen* Tech is an innovative probiotic textile technology utilizing the combination of prebiotics and probiotics (= "synbiotics") that cleans up allergens. The probiotics colonize textile surfaces with good bacteria, effectively reducing common inanimate aero allergens such as dust mite matter and pet allergens (pet hair, dander, saliva).

WHAT IS IT FOR?

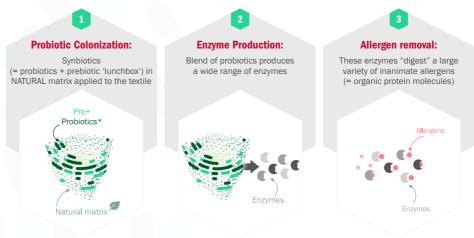
HeiQ Allergen* Tech provides a biotechnical solution for allergen reduction in home textiles such as fabrics for mattresses, mattress toppers, bed linen, pillow covers, but also carpets, rugs and upholstered furniture – whatever is in reach of dust mites and your beloved pets: your pillow, bed, sofa, carpet and all textiles in cars, offices and hotel rooms...

**Based on third-party testing of bio-based carbon content using ASTM D6866

INNOVATIVE ALLERGEN CONTROL AT WORK

The technology is based on the natural process of probiotic colonization. A powerful blend of multiple strains of the Bacillus family are delivered to the textile in a 100% biobased porous matrix that protects them and allows slow release.

The blend of active probiotics produces a wide range of enzymes that consume a large variety of inanimate allergens, resulting in reduced exposure.



*Probiotics (food-grade) are derived from natural source materials. They were discovered in soil and water by scientists.

HEIQ ALLERGEN TECH SUCCESSFULLY TESTED

The naturally derived technology has been tested and certified by an independent, accredited lab, BMA Labor in Bochum/Germany.



BMA protocol: On a contaminated textile, after only two weeks of incubation and colonization

DID YOU KNOW? The prevalence of respiratory allergy in an average adult population is



Sustainable technology for allergen control

HeiQ Allergen Tech significantly and durably reduces allergens whilst leaving a minimal environmental footprint.

- Designed for circularity
- Naturally derived
- 100% biobased technology (probiotics and the slow-release matrix)
- OEKO-TEX[®] suited
- Meets most brand RSL requirements
- Based on the natural process
 of probiotic colonization