



## Life-long skin care

### *Active regeneration and healing of skin*

#### **Cellulose – a natural product**

Cell Solution® SKIN CARE is made of wood from sustainable forestry. Cellulose is breathable and regulates moisture. Textiles made of cellulose are more absorptive than cotton, they are silkier than silk and cooler than linen. The fiber naturally absorbs excess moisture and progresses it away from the body. The ability of cellulose to transport moisture is superior to that of the synthetic fiber. The fiber structure supports a pleasant skin climate and is temperature-balancing.

#### **Cell Solution® functional fibers**

The fibers are produced particularly environmentally friendly with the patented ALCERU® procedure. The active substance is directly integrated into the cellulose matrix imparting a permanent additional function to the fiber.

#### **Cell Solution® SKIN CARE with skin-caring properties**

The combination of cellulose fibers with embedded vitamin E and caring oils yields the pleasant wearing comfort plus cosmetic effects.

#### **Quality Guidelines**

Cell Solution® SKIN CARE fibers are certified to the Oeko-Tex Standard 100 product class 1 (textile items for babies and toddlers up to 3 years).



# Innovations characterize the range of products

## Proven effect of vitamin E

- Smoothing and improvement of skin texture
- Improvement of water binding capacity of the horny layer, influencing of the moisture content of the skin, reduction of water loss of skin
- Protection against extrinsic skin aging (UV A & B influence), protection against oxidative damage to skin
- Protection of cell membrane against free radicals, prevention of skin damage from free radicals (ROS)
- Reduction of scar tissue
- Wound-healing effect, stimulation of epithelialization
- Anti-inflammatory, anti-itching effect
- Healthy and shiny hair

## Temperature-regulating fibers

The fibers absorb excessive heat, accumulate it and release it when needed. The fibers actively balance temperatures that are too hot and too cold and provide a personal comfort climate in this way.

## Washable

Cell Solution® SKIN CARE fibers are washable. The release of vitamin E has been proven even after 100 wash cycles at 40°C. The transfer of tocopherol (vitamin E) from the fiber to the skin has been demonstrated in tests (e.g. test report No. 14.8.5.0091 of Hohenstein Laboratories GmbH & Co. KG).



## Fields of Application

Fiber blends permit the manufacture of various textiles for clothing, health and living, for instance:

- Underwear
- Shirts + polos
- Stockings and socks
- Massage toppers
- Anti-aging bed textiles
- Care gloves for neurodermatitis patients
- Terry articles



Please contact us if you have any further questions or would like to have more information.

## Contact

smartpolymer GmbH  
Breitscheidstraße 97  
07407 Rudolstadt  
Thuringia - Germany  
Phone: +49 3672 3790  
info@smartpolymer.de  
[www.smartpolymer.de](http://www.smartpolymer.de)

