

TREETED[®]
PROTECTED BY NATURE



Ever wondered why trees become so old?

TREETED utilizes the power of wood extractives, nature's ancient power. It deodorizes textile materials, providing excellent odor reduction.

Odor on textiles comes from two sources: Microbes and chemical adsorption



- Microbial growth
 - **Microbial growth on the fiber** : Bacteria form a biofilm on the fiber. They use sweat and other compounds as nutrients, and turn them to odorous volatiles
 - **Microbial degradation of the fiber**: Bacteria degrade the fiber
- Chemical adsorption:
 - **Odorous substances** produced by the skin flora are adsorbed to the fiber, and released over time



TREETED® - Keeps products fresh and longer lasting



Creates the smoothest invisible molecular thin layer

Maintains freshness in lower washing temperature – wash durable in cotton rich textiles

Minimizes particle release and microfiber pollution

No change to functional properties

Dermatologically tested with “excellent” rating

OEKO-TEX® compliant



TREETED® - Special Features and Benefits

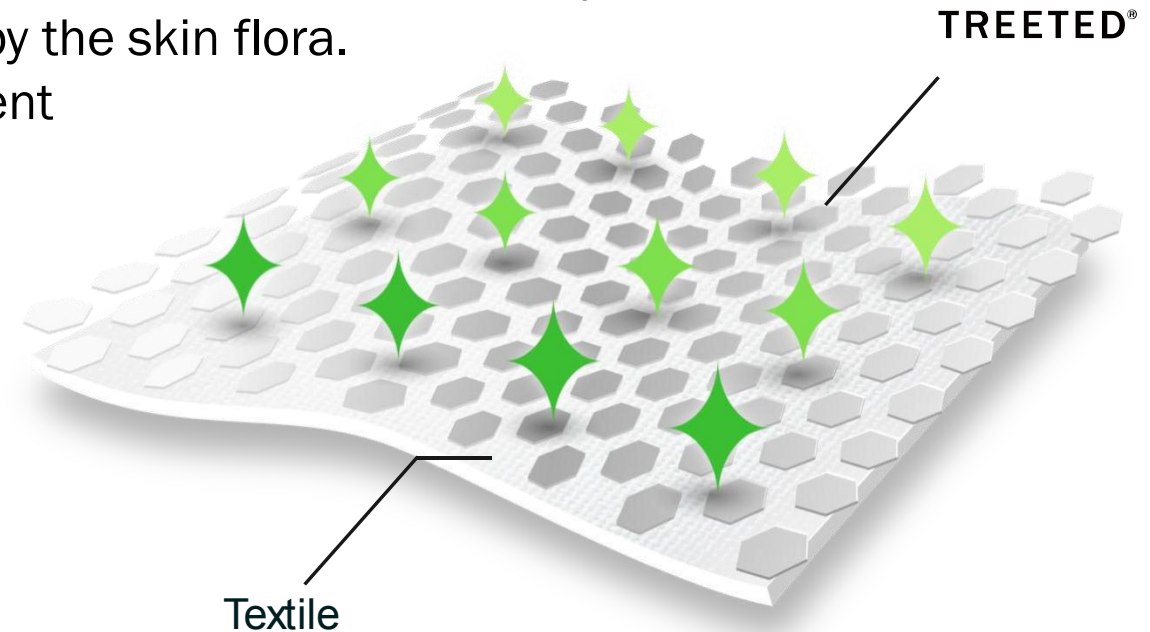


- No biocidal declaration required on product labels
- Can be applied and marketed worldwide
- Dermatologically tested with a rating of “excellent“. (Dermatest GmbH)
- OEKO-TEX compliant
- ZDHC level 1
- Meets most brand RSL requirements
- Not acutely toxic nor harmful to the environment
- Ecological and sustainably produced
- Does not contain heavy metals (like silver), borax, parabens or quaternary ammonium compounds
- Complies with EU REACH Regulation (1907/2006)
- Does not contain Substances of Very High Concern
- Readily biodegradable and not bioaccumulating
- Applied in pad/dip dry processes from water-based solutions
- Does not have any negative effect on physical properties textiles after treatment

TREETED® – in Short



Technology creates nature-inspired surfaces on fibers that reduce odors and minimizes particle release on textile surfaces. Bad odor in textiles is caused by microbial growth or chemical adsorption produced by the skin flora. TREETED deodorizes odor molecules with an excellent odor-reducing rating.

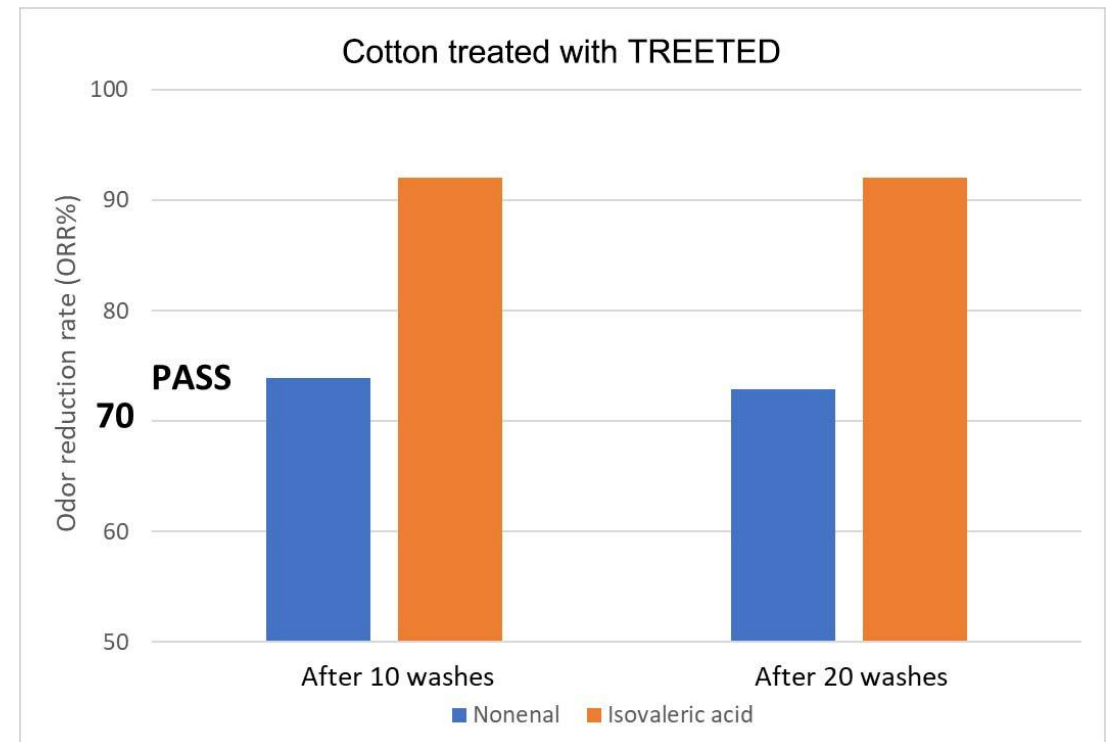


- A scalable, safe and sustainable alternative to traditional antimicrobial treatments
- Highly efficient function without side-effects for users or nature
- Works against bad odor and fabric deterioration
- Minimises particle release
- Available world-wide and at scale

TREETED® - Outstanding performance



This outstanding technology provides durable odor control efficacy on cellulosic fibers. Tested according to ISO 17299-3 for odor reduction rate (ORR%). For unwashed samples 85 % reduction is the criteria for a pass, for the washed samples criteria to pass is a 70 % reduction.



TREETED® – hangtag



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“Let’s take the step to
be more sustainable”

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Treeted® lining utilises the unique odor capture technology of nature-inspired surface, which is provided by NordShield®.

Microbes may cause odor and rapid deterioration of textile materials. Textile materials that have been Treeted® however have a shield, providing excellent odor reduction.

Treeted® lining is an ultrathin, molecular-sized learned from nature defense mechanism, and therefore biodegradable.

TREETED®

Treeted® - powered by NordShield® - Finland