



A NATURAL SOLUTION FOR
COMBATING ALLERGENS IN TEXTILES



A zillion bacteria surround you!

A lot of textile materials are trapping dust and debris during their use. The contaminated textiles are an ideal growing place for unwanted bacteria. Well known examples of textiles which are prone to bacterial growth are mattresses, carpets and filters. Science supports the fact that carpeted rooms help Asthma patients to breathe easier as the pollen and dust are captured by the carpet yarns, preventing them to get airborne again after movement in a room. Unfortunately it also creates an ideal food source for bacteria and House Dust Mite.



It's time for a positive approach.

Bad bacteria are present on a lot of textiles and they multiply quickly because it provides an abundant food source to them. Anti-bacterial products are therefore used to prevent bacterial growth. The anti-bacterial way is however a destructive method for pathogens but also for the positive micro-organisms and necessary skin flora of humans.

Therefore this approach is not recommendable. Bacteria adapt themselves in harsh environments and become resistant to the anti-bacterial products. There is a need for a positive approach as anti-bacterial products are not the solution to the problem.

Anti-bacterial products kill the bacteria in the living environment, but the resistance to those mechanisms is growing and strengthening the bacteria even more.

Before selection



After selection

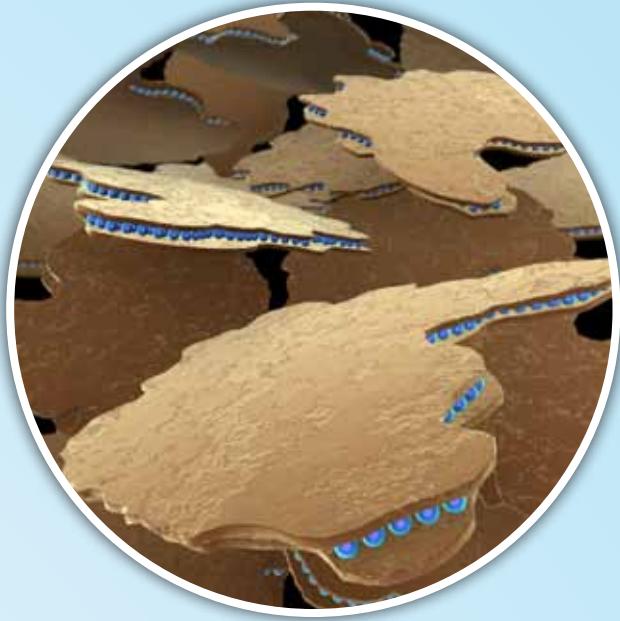


Final population



Resistance levels





Actipro™: something new, safe and effective.

Actipro™, the probiotics concept is the opposite of anti-biotics and means "for life", not against it! Actipro™ is completely composed of natural ingredients. The active components are present on the Qualified Presumed Safe (QPS) list of the European Food and Safety Association (EFSA). The micro-organisms in Actipro™ are attached to the fabric using natural clay technology. It can therefore be said that we have found a natural solution for combating allergens in textiles.

What are the benefits?

- > Bad bacteria and fungi get no chance to grow and reproduce.
- > Neutralization of house dust mite allergens.
- > Reduces bad smells.
- > Actipro™ treated textiles contain 99% less bad bacteria compared to untreated textiles.
- > Biological product.
- > No negative effects on humans.





untreated

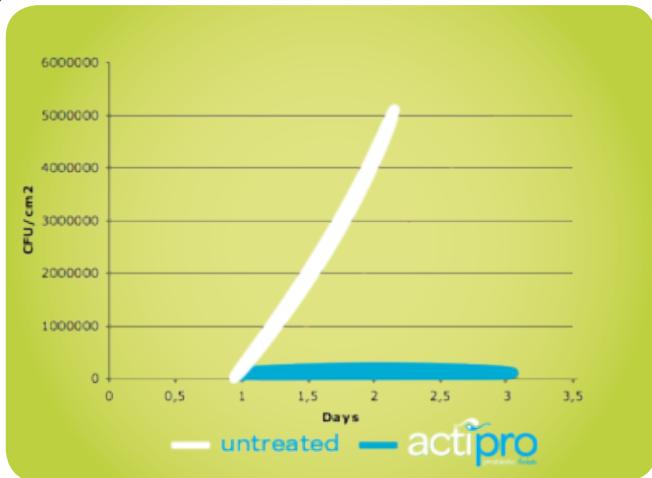


actipro
probiotic finish

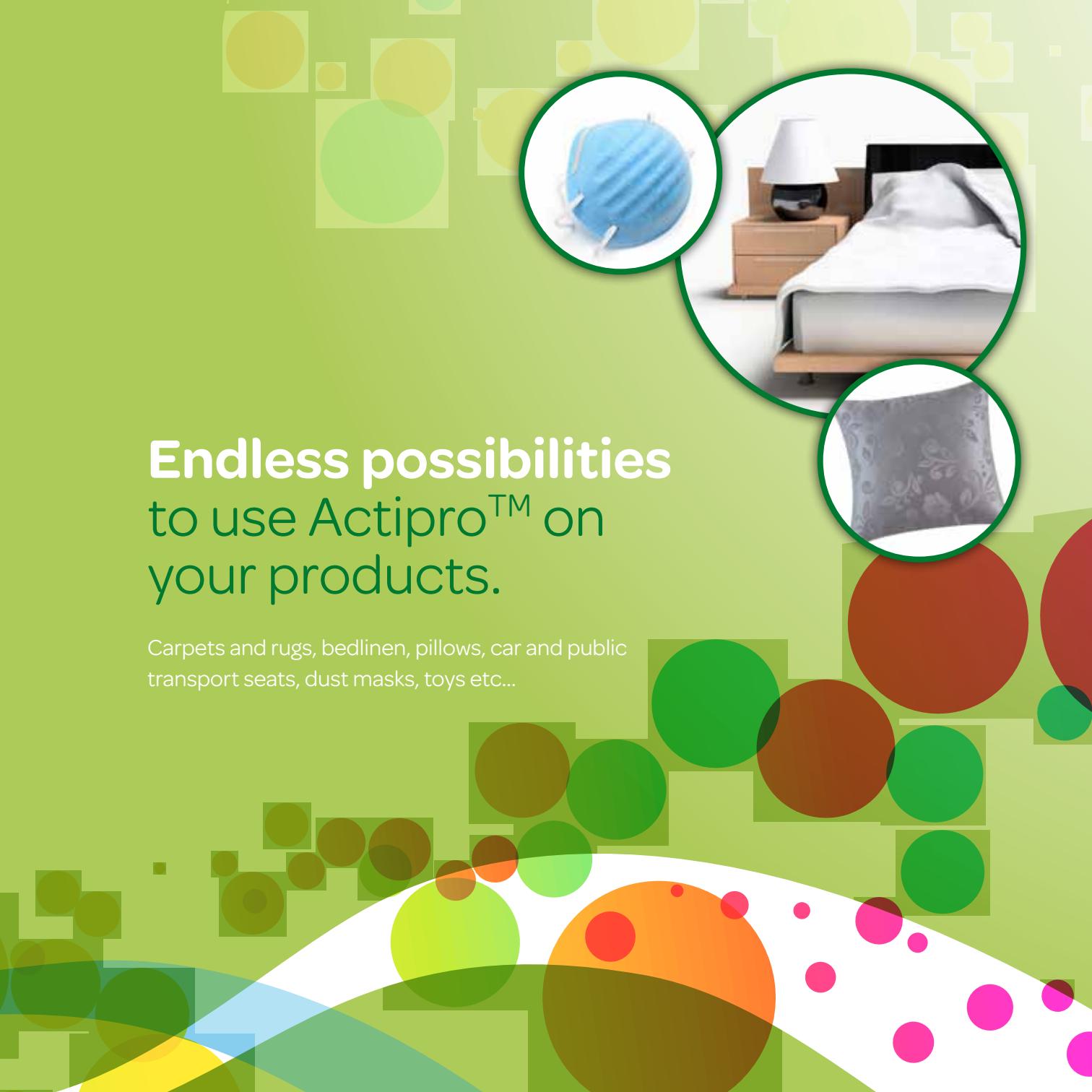
Funghi-test: Actipro™ treated textiles vs. untreated textiles: an obvious difference.

The domination effect: It works!

The mechanism of Actipro™ is based on the domination effect. The Actipro™ micro-flora are active organisms that thrive under the same conditions as unwanted bacteria. Applying these probiotics on a large scale gives the unwanted organisms little chance of survival. Furthermore, Actipro™ also contains an urease function, which transforms the odour causing substances of urine in odourless components.



This graph illustrates the assessment of the growth of bad bacteria in the presence of probiotics.



Endless possibilities to use Actipro™ on your products.

Carpets and rugs, bedlinen, pillows, car and public
transport seats, dust masks, toys etc...



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Check TANATEX Actipro™ on youtube.com



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