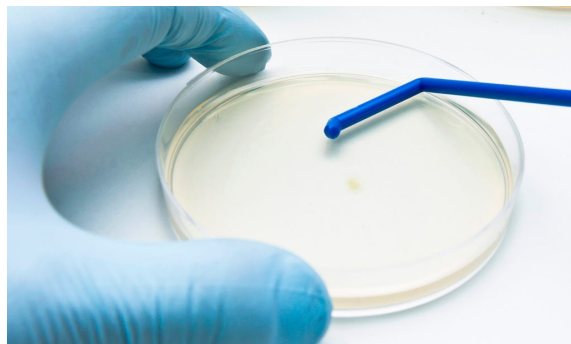




Vinyl Coated - Laminated Fabrics - Healthy Protection Textiles



Alfatex Italia chose for our coated an **Antimicrobial Treatment** developed by **Thomson Research Associates** with over 60 years of experience in **antimicrobial research**.

he antimicrobial applications are mainly used in fabrics and systems for the **well-being of the person**, offering lasting **freshness** and a **longer life** to all the products treated.

Based on the **zinc molecule**, it is made to prevent degradation caused by microbial contamination.

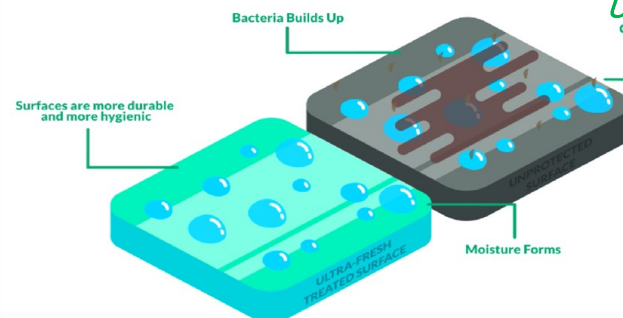


Odor Control

Benefits of Antimicrobial Additives for Coatings

PREVENTS BACTERIA

Ultra-Fresh proves to be a truly effective treatment that allows you to avoid the formation of real **BACTERIA, FUNGI, MOLD** and **MILDEW**, responsible for discolouration, and product decay and very unpleasant odors and stains, capable of putting people's health at risk. In this way, **Ultra-Fresh** antimicrobials help to keep the products odorless, clean and completely fresh.



IMPROVES THE PERFORMANCE OF THE FABRIC

Ultra-Fresh helps to prolong product life and maintain its aesthetic appeal. It improves the quality of the products, it extends their life avoiding their degradation and maintain its aesthetic appeal.



Ultra-Fresh is *US EPA* registered,

BPR compliant

Oeko-Tex listed,

and complies with all regulatory requirements of each country where it is sold.



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None of *Ultra-Fresh's* products or ingredients are listed on **California's Proposition 65**.



Ultra-Fresh is a registered trademark of Thomson Research Associates, Inc.

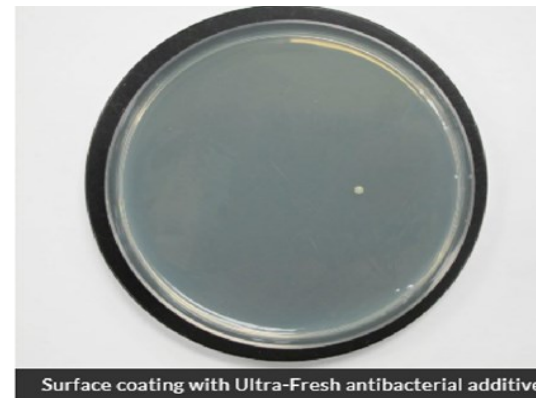
Can you see the *Ultra-Fresh* Difference?

The photos below exemplify the benefit of antimicrobial additives for plastics. Under the right conditions, mold and mildew can flourish on untreated vinyl by using the polymer as a food source. By adding antimicrobial additives for polymers during the manufacturing process, the vinyl becomes resistant to microbial growth.

This maintains esthetic appeal and tensile strength while increasing the end-use life of the PVC product.



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Coatings

Antimicrobial Benefits

PVC, latex, polyurethane etc are often coated onto textiles to create goods with new properties or features. Ink, paint, and lacquer are other examples of coatings or dried films. Regardless of their nature, most coatings are susceptible to bacterial and fungal growth. Microbial attack adversely affects the properties of these coatings, resulting in bacterial odor, staining or loss of inherent properties leading to a reduced lifespan of the product.

Ultra-Fresh offers proven protection by controlling growth of unwanted microbes on a variety of different surfaces. Treated coatings can enhance the overall hygienic environment when used in hospitals, healthcare institutions, catering facilities, washrooms and more. Treated coatings can also offer protection against fungi, mould and mildew which is especially important for outdoor applications. Ultra-Fresh therefore helps to prolong product life by preventing discoloration and loss of tensile strength as well as the cracking of coated textiles that could occur through fungal attack.

Easily Applied

A number of Ultra-Fresh treatment options for coatings are available. This selection ensures that an ideal product can be found for each particular end use and performance requirement. Simple to use, each antimicrobial treatment can be added to the liquid stage prior to coating. In some cases, the treatment can also offer excellent in-can protection prior to use.

Why Use Ultra-Fresh in Your Coatings

- Variety of coating treatments available
- Helps prevent discoloration and degradation
- We offer both antibacterial and antifungal options
- Food contact options also available



End Use Applications

Our antimicrobial products are commonly used in the following end use areas:

- Housewares
- Commercial
- Outdoor
- Building Products
- Healthcare

Treatment options are available for virtually all end uses. Please contact us for more information.