



**WHERE CLEANLINESS
MEETS INNOVATION**



**ELEVATE HYGIENE STANDARDS
WITH MICROBLOCK**

**95% LESS BACTERIA
FOR REAL, FOREVER**



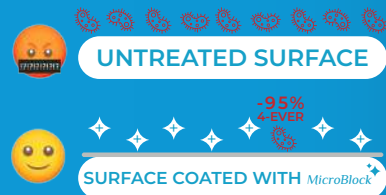
INTRODUCING MICROBLOCK

Mix Clenia with polymers or fabrics.
Or simply apply it in paint or spray.

MicroBlock will make the surface treated bacteriostatic.
Meaning, on that surface germs and bacteria will not reproduce
anymore.

Then, your surface will have 95% less bacteria.
Forever. For real.

MicroBlock is trusted by industrial leaders, and applied on
FDA-approved products.



PRESERVATION OF MATERIAL PROPERTIES

MicroBlock does not alter the chemical or physical properties of the manufactured product, ensuring the integrity of the final material



NON-TOXIC COMPOSITION

MicroBlock contains only microelements in an ionic state, ensuring its safety for use in various applications without the need for toxic biocides.



LONG-LASTING ANTIMICROBIAL PROTECTION

MicroBlock's surface modification persists throughout the lifetime of the product, providing continuous antimicrobial protection



95%
LESS BACTERIA
ON THE
TREATED SURFACES
LIFETIME

MATERIALS FOR APPLICATION

MATERIALS

MicroBlock offers a revolutionary approach to combating bacterial contamination across a wide range of materials and surfaces. Its versatile application methods make it suitable for use on various substrates, including plastic, polymers, fabrics, polyurethane, wood, and chipboard.

MicroBlock can be applied to these materials through different techniques such as spray application in a pure alcoholic solution or as a coating in a natural sugar-based polymer.

Whether it's impregnating varnish or spray application for wood or liquid finishing baths for fabrics, MicroBlock seamlessly integrates into production processes without altering the chemical or physical properties of the materials. This ensures the integrity of the final product while providing long-lasting antimicrobial protection.

HOW TO APPLY

- MicroBlock offers versatile application methods suitable for various materials and surfaces, including plastic, polymers, fabrics, polyurethane, wood, and chipboard.
- Application techniques include spray application in a pure alcoholic solution or as a coating in a natural sugar-based polymer.
- MicroBlock can be applied to wood through impregnating varnish or spray methods and to fabrics via liquid finishing baths.
- It seamlessly integrates into production processes without altering the chemical or physical properties of the materials.
- MicroBlock provides long-lasting antimicrobial protection while preserving the integrity of the final product.
- Elevate hygiene standards across diverse industries, from textiles to construction, with MicroBlock's effective and versatile application.



POLYMERS



POLYURETHANE



WOOD



RECYCLED WOOD



FABRICS



AIR & WATER



TEXTILE



SPORT



MEDICAL

INDUSTRIES INVOLVED

TEXTILE INDUSTRY

MicroBlock-treated textiles offer antibacterial properties, ideal for healthcare and sportswear, ensuring cleanliness and odor reduction.

SPORTSWEAR

MicroBlock's antibacterial properties in sportswear promote hygiene during physical activities, reducing bacterial growth and odor.

MEDICAL

Integrated into medical equipment and surfaces, MicroBlock inhibits harmful bacteria, reducing the risk of infections in hospitals and clinics.

PACKAGING

MicroBlock extends the shelf life of perishable foods and drugs by inhibiting bacterial growth on packaging materials, ensuring food safety.

FOOD PRODUCTION

MicroBlock ensures hygiene in food production facilities, reducing bacterial contamination and maintaining product integrity.

SELF-CARE

MicroBlock-infused personal care products cleanse the skin and prevent bacterial spread, enhancing overall hygiene.

FARMING

In animal farms, MicroBlock promotes animal health by combating bacterial pathogens in livestock environments and feed.

AUTOMOTIVE

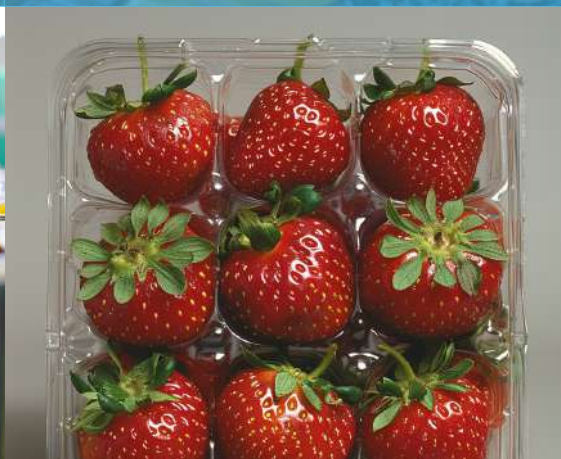
MicroBlock ensures cleanliness and hygiene within vehicles, reducing bacterial growth and odors in automotive interiors.

HOME & PUBLIC SPACES

MicroBlock creates antibacterial surfaces at home, in schools, hospitals, and offices, minimizing germ spread and promoting a healthier environment.



PACKAGING



FOOD



SELF-CARE



FARMING



AUTOMOTIVE



HOME & PUBLIC SPACES



STANDARD ISO 22196

MicroBlock's bacteriostatic action is verified through microbiological analysis following ISO 22196 standards, demonstrating a significant reduction in microbial activity on treated surfaces.



MicroBlock vs SILVER IONS

SAFE FOR USE IN DIVERSE APPLICATIONS LONG-LASTING ANTIMICROBIAL PROTECTION SUITABLE FOR SUSTAINABLE MANUFACTURING

While silver ions have been traditionally used for their antibacterial properties, MicroBlock introduces a non-toxic composition, free from the potential risks associated with silver, such as toxicity and environmental concerns.

Unlike silver ions, which may pose risks of toxicity and environmental harm, MicroBlock's microelement-based formulation ensures safety for various applications without compromising efficacy.

Additionally, MicroBlock's versatile application methods, including granules for polymer integration and aqueous solutions for fabric treatment, offer flexibility and ease of use across industries.

With MicroBlock, businesses can confidently enhance antimicrobial protection while prioritizing safety and sustainability, ensuring a cleaner, safer environment for all.

SAFETY

MICROBIOLOGICAL ANALYSIS

MicroBlock's bacteriostatic action is verified through microbiological analysis following ISO22196 standards. These tests demonstrate a significant reduction in microbial activity on treated surfaces, validating MicroBlock's efficacy in inhibiting bacterial growth.

NON-TOXIC COMPOSITION

One of MicroBlock's key safety features is its non-toxic composition.

Composed of microelements in an ionic state, MicroBlock ensures safety for various applications without compromising efficacy.

Unlike traditional antibacterial agents that may contain toxic biocides, MicroBlock offers a safer alternative for promoting hygiene and safety across industries.

ANIMAL TESTING ON MICROBLOCK'S IONS

The specific ions used by MicroBlock undergoes thorough testing to ensure both efficacy and safety, including assessments on animal welfare and health implications.

While MicroBlock prioritizes the well-being of animals, it also recognizes the importance of understanding the effects of its products on animal health and the environment.



QUESTIONS & INQUIRIES

For any questions, inquiries,
curiosities, please contact us!
We will be pleased to talk to
you anytime

“Embrace MicroBlock

*Where Cleanliness
Meets Innovation*

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