

MICROBAN®



ZPTech® TECHNOLOGY

Who is Microban International?

Founded in 1984 by three biomedical engineers, Microban International, Ltd. is the global leader in built-in antimicrobial solutions.



Utilized by
250+
companies worldwide

Proudly displayed
on more than
1000 products

Globally acknowledged as a consumer Trustmark, the Microban® brand is utilized by 250+ companies worldwide and is proudly displayed on more than 1,000 products in over 30 countries.

What is antimicrobial technology?

Antimicrobial technology is a solution that inhibits the growth of microorganisms such as bacteria, mold and mildew.

Microban® has a portfolio of over 25 approved organic and inorganic antimicrobial technologies. Depending on the manufacturing process and material application, these technologies are then formulated into specific additives that can be integrated seamlessly into a product.

How can we help?

Once you've made the decision to implement antimicrobial protection into your product line, Microban's product development team will work with you to formulate each aspect of the project. From initial concept to official product launch, your dedicated account manager will be by your side to deliver marketing support, sales training, regulatory assistance and technical guidance.

ZPTech®: effective antimicrobial protection

Products used in moist environments and those exposed to humidity, such as sponges and bath mats, provide excellent breeding grounds for mold, mildew, and bacteria. Left uncontrolled, those unwanted organisms can harm the products, leading to premature degradation, stains and odors.

Fortunately, there's a better way. Microban® ZPTech® works by preventing the growth and reproduction of organisms and is effective against a broad spectrum of microbes, including mold, mildew and algae, as well as bacteria.

Technical Data – At a Glance

MICROBAN®

Antimicrobial Effect	Antibacterial, Antifungal
Active	Zinc Pyrithione
Test Methods	ISO 22196 (JIS Z2801) AATCC 90 / KB AATCC 30, III ASTM G21 ASTM E1428

How does it work?

ZPTech® from Microban® utilizes zinc-pyrithione antimicrobials to help control both bacteria and fungi, including mold, mildew and algae. Unlike topical applications, the technology is incorporated directly into the product during the manufacturing process, so it remains effective even if an object is nicked, scratched or abraded. ZPTech® remains constantly active on surfaces, inhibiting microbe growth and severely hindering their ability to thrive. The effect is similar with fungi. ZPTech® disrupts internal enzymes, blocking metabolic pathways and creating an environment in which mold and mildew cannot grow. The technology provides multiple modes of action that prevent bacteria and fungi from ultimately developing resistance, which ensuring that ZPTech® keeps working for the life of the product.

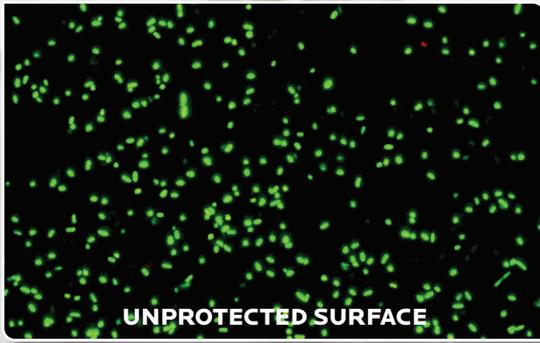
PROTECTION THAT LIVES ON
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24-hour time lapse: untreated surface vs. ZPTech[®] treated surface

Using confocal imaging, Microban[®] has captured the differences in bacterial growth on an unprotected surface versus a ZPTech[®] protected surface. On an untreated surface, the bacteria thrive and reproduce rapidly. On a ZPTech[®] treated surface, the bacteria struggle to survive and are reduced considerably.

The Benefits

EASY TO USE

Easily integrated into existing manufacturing processes with no disruption.



MUTIPLE APPLICATIONS

Can be incorporated into a wide range of materials for use in a variety of applications.



EXTENDS PRODUCT LIFETIME

Inhibits the growth of microorganisms that can lead to product deterioration.



ADDS VALUE

The Microban[®] brand is a Trustmark recognized by consumers and business-decision-makers alike.



REGULATORY REGISTRATIONS

Registered with U.S. Environmental Protection Agency (EPA) and EU Biocidal Products Regulation (BPR).



AVAILABLE AROUND THE WORLD

Our global footprint provides local capabilities and fulfillment, no matter where you are located.



Examples of ZPTech[®] applications

CONSUMER

- Kitchen Products
- Bathroom Products
- Cleaning Tools
- Personal Care Products



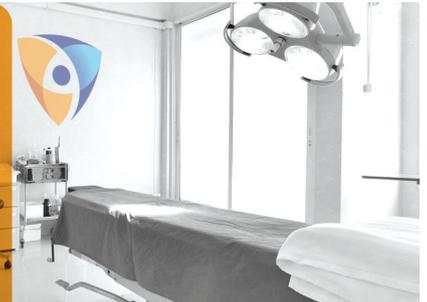
COMMERCIAL

- Commercial Coatings
- Food Service Equipment
- HVAC Systems
- Construction/ Building Materials



HEALTHCARE

- Medical Carts
- Dental Trays
- Privacy Curtains
- Healthcare Transport



Get in touch

No matter your industry, the Microban[®] brand is your assurance of durable and effective antimicrobial protection that your customers will recognize and trust.

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* ZPTech is not designed to replace a disinfectant, but rather complement the disinfectant in the fight against bacteria.