

The Microban® Advantage

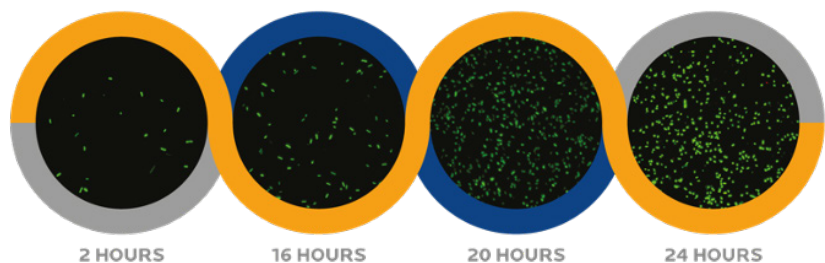


Overview

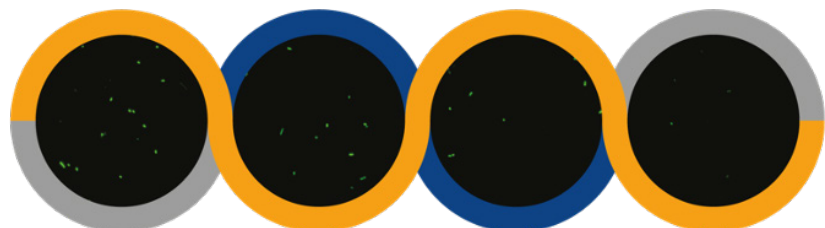
Our exclusive partnership with Microban® allows our etherium™ by E-Stone surfaces to be the only engineered stone products to offer 24/7 Microban® protection. Microban® is a cutting-edge antimicrobial technology that is built into all etherium™ by E-Stone products during the actual manufacturing process and has a long history of safe and effective use that lasts for the lifetime of a product.

What is Microban technology?

Ordinary surface



Surface with
Microban® built-in



24-hour confocal photography of treated and untreated surfaces. The incorporated Microban® technology creates an inhospitable environment for bacterial growth, inhibiting their reproduction and ultimately preventing them from reproducing.

How it works

FULL INTEGRATION

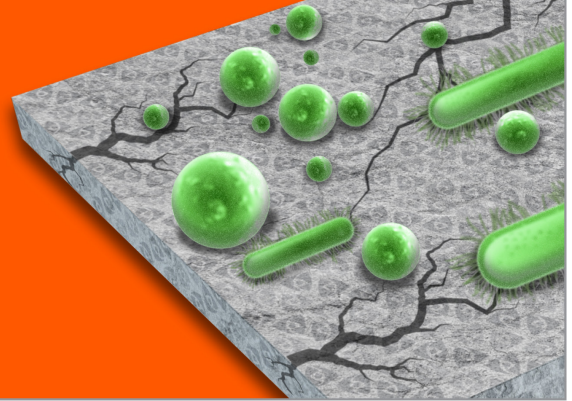
The technology is integrated during the manufacturing process. It becomes part of the molecular structure of the product and will not wash off or wear away.



01

SURFACE CONTAMINATION

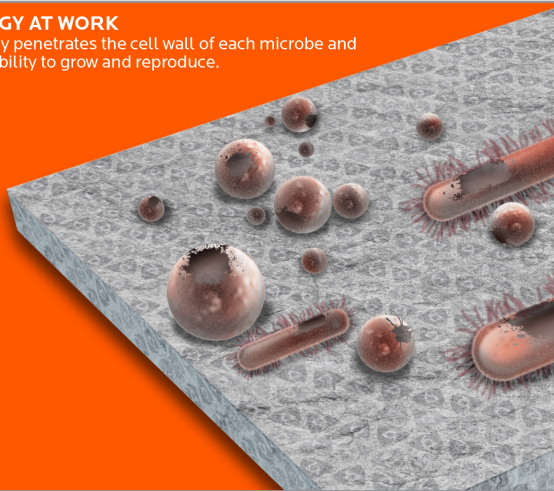
The treated surface becomes contaminated with microbes as a result of human contact, environmental conditions and/or cleaning lapses.



02

TECHNOLOGY AT WORK

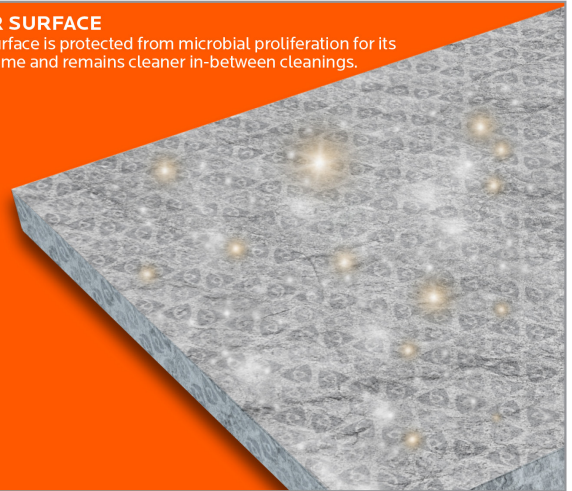
The technology penetrates the cell wall of each microbe and inhibits their ability to grow and reproduce.



03

A CLEANER SURFACE

The treated surface is protected from microbial proliferation for its expected lifetime and remains cleaner in-between cleanings.



04

LIVE ON

Put simply, products enhanced with Microban® empower people to **worry less and enjoy life more**

What are the benefits



Invisible protection, visible cleanliness

Product cleanliness is visibly improved without affecting the appearance, functions or durability of your product.



Works continuously

Microban® actively reduces the growth of bacteria 24 hours a day, 7 days a week.



Cleaner between cleanings & easier to clean

While not a substitute for regular cleaning, the added technology keeps products cleaner.



Protection that lasts the life of the product

Once integrated during manufacturing, Microban® will last for the expected lifetime of a product or surface.



Extended product lifetime

Inhibiting the growth of degrading microbes means the expected lifetime of your product is extended.



Effective against a broad spectrum of bacteria

Microban® technology has been proven effective against a broad spectrum of bacteria.





What's the difference between antimicrobial and antibacterial ?

The primary difference between antibacterial vs. antimicrobial substances is the types of microorganisms they act upon.

- **Antibacterial Technologies:** Antibacterial technologies are effective against a broad spectrum of harmful bacteria including E. coli and MRSA.*
- **Antimicrobial Technologies:** Antimicrobial technologies minimize the presence of bacteria, mold, and fungi.** In contrast to antibacterial agents, antimicrobial substances offer a greater level of product protection by continuously inhibiting the growth of microbes on surfaces for very long periods of time.

*Treated product efficacy claims against specific microbes are dependent on the results of laboratory testing. The naming of specific microbes is not allowed in North America marketing and selling materials.

**Subject to the performance properties of the specific active ingredient manufactured into your product.

What's the difference between built-in antimicrobial technology and 24-hour residual cleaning products?

PROTECTION THAT LIVES ON
MICROBAN

BUILT IN ANTIMICROBIAL TECHNOLOGY

VS

24 HOUR RESIDUAL CLEANING PRODUCTS

<p>BUILT INTO PRODUCTS</p> <p>Microban antimicrobial technology is built into the entire structure of finished products during the manufacturing process. Materials such as textiles and hard surface products can all be manufactured with the addition of antimicrobial technology. Microban is proud to be able to provide solutions for any substrate and any surface.</p>			<p>APPLIED TO PRODUCTS BY HAND</p> <p>Residual sanitization and disinfection products are applied to surfaces in residential, commercial, or healthcare environments and are sold in a spray or a wipe format for ease of use.</p>
<p>INHIBITS BACTERIA GROWTH 24/7 FOR THE LIFETIME OF THE PRODUCT</p> <p>Finished products with built in antimicrobial technology have treated surfaces that continuously inhibit and reduce the growth of stain- and odor-causing bacteria, mold and mildew for the entire lifetime of the finished product itself. The lifetime for finished products can vary from years to decades.</p>			<p>INSTANTLY KILLS AND PREVENTS BACTERIA GROWTH FOR UP TO 24 HOURS OR MULTIPLE TOUCHES</p> <p>When used as directed, surfaces that are sprayed or wiped with residual cleaning products result in an instant killing of 99.9% of bacteria, and keep killing bacteria for 24 hours, even after multiple touches. These products can also prevent the growth of mold and mildew for up to 7 days on hard surfaces and 28 days on soft surfaces.</p>
<p>REGISTERED PESTICIDE</p> <p>Built in antimicrobial technologies are classified as pesticides or biocides and are regulated by agencies such as the Environmental Protection Agency (EPA) in the United States, and the Biocidal Products Regulation (BPR) in Europe. These products fall under FIFRA "treated article exemption" which qualify treated articles and substances that make claims to protect products, not people.</p>			<p>REGISTERED PESTICIDE</p> <p>The Residual Self-Sanitizing (RSS) is based on the EPA 01-1A protocol. These products require a large amount of supporting scientific data to validate kill claims that protect people in addition to products. Residual cleaning products are classified as pesticides or biocides and are regulated by agencies such as the Environmental Protection Agency (EPA) in the United States, and the Biocidal Products Regulation (BPR) in Europe.</p>



Suggested usage

etherium™ by E-Stone surfaces are extremely versatile and are perfect for a wide variety of residential and commercial applications, including:

- Kitchen countertops and backsplashes
- Bathroom vanities and backsplashes
- Shower walls and tub surrounds
- Floors
- Medical and dental facilities
- Bars and restaurants
- Hotels and other hospitality venues
- Schools and colleges
- Automotive dealerships
- Public and government buildings
- Military bases
- Transportation hubs and airports
- Work spaces
- Mixed-use spaces
- Religious institutions

etherium™ by E-Stone surfaces' benefits

- Heat, stain and scratch-resistant
- Mold and mildew-resistant
- Nonporous
- Our ForeverSeal® technology means you never need to reseal your surface
- Maintenance-free
- Easy to clean
- Manufactured in the USA
- Proud partner of Microban®



How to clean

etherium™ by E-Stone surfaces are easy to clean and maintain. Simply wiping your surfaces clean every day will help remove residue, while a thorough cleaning once a week will ensure they continue to look their best. Warm water and soap work well, as do mild household cleaners such as Windex® without ammonia (Crystal Rain™) or Formula 409®.



Disclaimer: Microban® technology is not designed to protect users against disease causing microorganisms. Microban® Products Company makes neither direct nor implied health claims. Normal cleaning practices should be maintained.

etherium.™ By E-Stone

PROTECTION THAT LIVES ON
MICROBAN®
Proud Partner

 **GRANITE**
TRANSFORMATIONS
For Kitchens & Baths

 **TREND**
transformations
For Kitchens & Baths