



REDEFINING PROTECTION FOR PERFORMANCE TEXTILES

Create Cleaner, Fresher and More Hygienic Textile Products with Microban®

More Than Just Cutting-Edge Technologies

For more than three decades, Microban® has paved the way in antimicrobial and odor control technologies for textiles. However, our value proposition doesn't begin and end there. Recognizing the unique extended supply chain for textiles, Microban® can provide comprehensive support at all levels with import/export, customs, marketing, regulatory services, quality control, warehousing, and mill technical expertise.



Utilized by
800+
companies worldwide

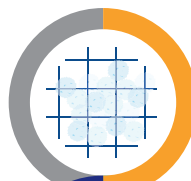
Proudly utilized in
more than
1000 products

Redefining Clean

At Microban International, we understand everyday concerns around cleanliness. That's why we've made it our mission to redefine clean for products and surfaces. Microban's use of science and innovation has led us to develop the most diverse portfolio of antimicrobial, odor control, and surface modification technologies in the world. As consumers look for smarter products that stay cleaner and last longer, we've forged partnerships with leading brands and manufacturers to make their great products even better.

What Effects Can Microbes Have on Products and Surfaces?

Products and surfaces used in homes, healthcare facilities, commercial kitchens and other environments are often subjected to moisture, heat, humidity, and use by multiple people. These conditions, combined with lapses in cleaning protocols, make products and surfaces susceptible to the growth of harmful bacteria, mold and mildew.



Staining

Microbial growth can cause products and surfaces to look unsightly



Bad Odor

Microbes can result in the omission of foul-smelling odors that can linger permanently on a textile



Premature Degradation

Microbes can negatively impact the durability of products and surfaces



Invisible Concerns

Microbes can survive on products and surfaces for several weeks, although surfaces may appear clean to the naked eye

History of Safe Use

Microban® antimicrobial and odor control technologies for textiles are Oeko-Tex® and bluesign® certified. They are compatible with sustainable textile manufacturing processes worldwide.

OEKO-TEX®
INSPIRING CONFIDENCE

bluesign®



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THE SOLUTION: ANTIMICROBIAL AND ODOR CONTROL TECHNOLOGIES

Microban’s proven antimicrobial and odor control technologies continuously combat the uncontrolled growth of microbes and unwanted odor on the textile. Integrated during manufacturing or applied as a post-treatment coating, our unique compounds are carefully customized for each product’s production process, specifications, and end-use, ensuring seamless integration and high levels of efficacy.

LIQUID FORMULATIONS	ZPTech®	Aegis®			Scentry®	Scentry Revive®	Freshology®
	ZO6-R30700-480	AEM 5700	AEM 5772	AEM 5772-5	BC200	BC350	FS1000
Efficacy AB = Antibacterial AF = Antifungal O = Odor Capture	AB/AF	AB/AF	AB/AF	AB/AF	O	O	O
Active	Zinc pyrithione	Quat Silane	Quat Silane	Quat Silane	-	-	-
Use Level	0.3%-0.7%	0.6%-1.3%	0.35%-0.75%	3.5%-11%	1%-3%	1%-2%	0.5 - 4.0%
Form	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid
Particle Size	< 5µm	-	-	-	-	-	-
Melting point (°C/F)	-	-0.078571429	-0.078571429	-0.078571429	-	-	-
Boiling/Decomposition (°C/F)	>100/212	>68/154	>68/154	>100/212	-	-	-
Bluesign		•	•	•	•	•	IP
Oeko-Tex	•	•	•	•	•	•	IP
Polyester (P)	•	•	•	•	•	•	•
Polyester/Spandex (PS)	•	•	•	•	•	•	•
Nylon (N)	•	•	•	•	•	•	•
Cellulosics (Co)		•	•	•	•		
Poly/Cotton (PCo)	•	•	•	•	•		•
EVA foam							
PU Foam		•	•				
PEVA							
Exhaust	•	Co	Co	Co			
Pad	•	Co, N, P	Co, N, P	Co, N, P	•	•	•
Cure Temp (°C)	140-160	140-160	140-160	140-160	130-160	130-160	120 - 180
Wash Durable	•	•	•	•	•	•	•
AATCC 135	•				•	•	•
ISO 6330	•				•	•	•
AATCC 61-2A		•	•	•			
ISO20743 (AB)	•						
AATCC 100 (AB)	•						
JIS L 1902 (AB)	•						
ASTM 2149 (AB) (AF)		•	•	•			
ASTM 2180 (AB)							
ISO 22196 (AB)							
AATCC 30, III (AF)	•						
ASTM G21 (AF)	•						
MBI IVA (Odor)					•		•
MBI IVA Auto Regen (Odor)						•	
Sweat Odor Method (Odor)						•	•
ISO 17299-2 (ammonia)							•
ISO 17299-2 (acetic acid)							•
ISO 17299-3 (IVA)					•		•
ISO 17299-3 (Nonenal)							•



Less Stink & Staining: Microban® textile treatments are effective against microbes that can cause staining, bad odor and premature product degradation.



Perfect for Hygiene-Critical Applications: Microban® is resistant to the growth of damaging bacteria, making treated textiles suitable for use in hygiene-critical products.



Long-Lasting: Microban® is a long-lasting differentiator for your textile products, allowing you to stand out from your competitors.



Environmentally Friendly: Microban® has been proven to increase the number of uses before a product needs to be laundered.



Safe to Use: Microban® antimicrobial textile treatments contain technologies that are notified with the EU Biocidal Products Regulation (BPR) and approved by the US Environmental Protection Agency (EPA).



Food Contact Approved: Specific Microban® antimicrobial treatments for textiles contain technologies that are approved for use in food- contact applications, being listed on EFSA (European Food Safety Authority) and registered with the EPA.