

AKOTECH™ TECHNOLOGY

Novel multifunctional coating platform

Who is Microban International?

Microban International is home to the world's leading product protection brands - Microban® and Ultra-Fresh®. Our unique formulations are engineered into thousands of substrates worldwide, empowering brands, manufacturers and innovators to deliver meaningful product features that address the needs of their customers.



Utilised by
800+
companies worldwide



Proudly displayed
on more than
1,000 products

Certified testing capabilities

The Microban Test Labs are certified to ISO 9001:2015 and by the International Antimicrobial Council (IAC).

Testing services include:

- Antibacterial efficacy tests
- Antifungal efficacy tests
- Bacteria and mold identification
- Spectroscopy analysis
- Chromatography analysis
- Gravimetric analysis
- Odor reduction evaluation

Why choose us?

As a Microban partner, you will benefit from many invaluable turnkey support services. Our industry experts become an extension of your team, providing unrivaled marketing support, regulatory guidance, sales training and global supply chain capabilities.

AkoTech™: multifunctional coating platform

AkoTech is a new line of Microban coating technologies that provide various functionalities and are easy to use. Unlike traditional coatings, AkoTech is engineered to deliver several performance enhancements while being backed by the power of Microban. This means AkoTech delivers both technically and leverages the Microban brand to create a unique customer experience.

Utilising proven Microban antimicrobial technology, AkoTech can be formulated to inhibit bacterial growth by up to 99.99% and prevent mould and mildew growth on coated surfaces. AkoTech can be provided in both water-based and solvent-based solutions to meet different manufacturing requirements and can be applied to a wide range of end use applications.

What types of functionalities does AkoTech offer?

The AkoTech platform offers multiple functionalities including but not limited to:



Antimicrobial - Inhibits the growth of bacteria and fungi, ensuring longevity of coated surfaces.



Chemical resistance - Protects coated surfaces from the damaging effects of chemical substances.



UV stability - Prevents degradation caused by ultraviolet light exposure.



Water and oil repellency - Resists the penetration and absorption of water and oil-based substances, making products easier to clean.

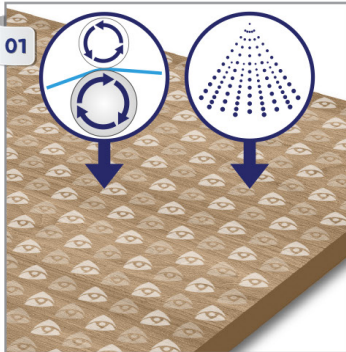


More sustainable - Utilises heavy-metal-free ingredients to reduce environmental impact.

TECHNICAL OVERVIEW

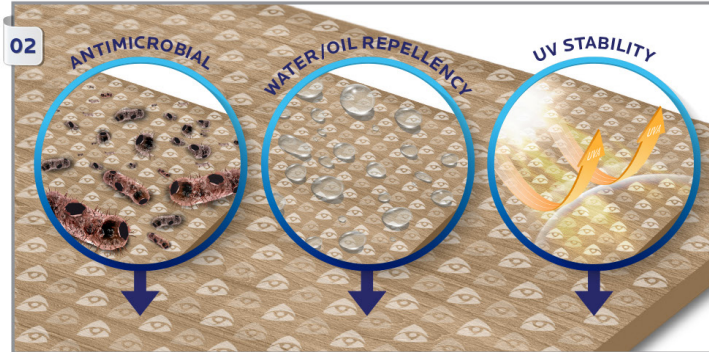
AKOTECH ADDITIVE	CTR-1001	CTR-1002 (Patent-Pending)	QSC-01201-020
Antimicrobial efficacy	Antibacterial + Antifungal	Antibacterial + Antifungal	Antibacterial + Antifungal
Form	Liquid	Liquid	Liquid
Functionalities	- Chemical resistance - Heavy-metal-free - Water-based	- Water and oil repellency - UV stable - Heavy-metal-free	- Water-resistant - Water-based - Flexible - Excellent adhesion to various surfaces
Test methods	ISO 22196 (AB) ASTM G21 (AF)	ISO 22196 (AB) ASTM G21 (AF)	ISO 22196 (AB) ASTM G21 (AF)

TECHNOLOGY COATING APPLIED



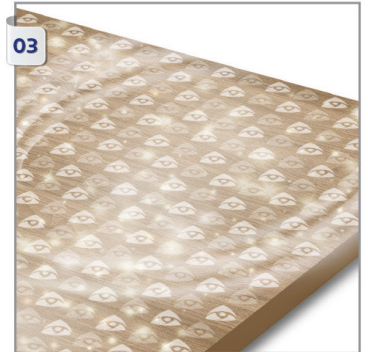
AkoTech is integrated into the product using coating application process such as roll coating or spray coating.

TECHNOLOGY AT WORK



AkoTech functionality protects the substrate by imparting multiple functionalities to the substrate.

A CLEANER, FRESHER SURFACE



Ultimately the treated product remains cleaner and is more durable.

AkoTech application examples



FLOORING



EXTERIOR FINISH SYSTEMS



TOUCH SCREENS



METAL



COUNTERTOPS



FURNITURE

How AkoTech can be applied?

Standard coating processes (i.e. spraying, roll-to-roll, dip, etc.) can be used to apply the technology with one of the following options:

STARTING POINT FORMULAS:

Can be used as is or formulated into custom solutions

READY-TO-USE FORMULAS:

Formulas require no additional formulation

LIQUID CONCENTRATES:

Dilute the concentrates with water



To transform your surfaces with our advanced AkoTech multifunctional coatings technology, contact a member of the Microban team today.

* Final antimicrobial efficacy, coating functionalities, and product application will depend on the AkoTech additives used.
** AkoTech is for sale in the U.S. and Asia only.