

Microban® Treated Surfaces vs. Untreated Surfaces.

Microban® Treated Surfaces

Built-in technology helps prevent the growth of bacteria on surface

Built-in technology reduces the growth of microbes and helps prevent their reproduction

Constantly protected surface, always active, 24/7

Continuously high level of antimicrobial performance

Built-in antimicrobial performance is unalterable by wear and tear

Thanks to the technology that is permanently built-in to the product, technology efficacy lasts for the lifetime of the product

Untreated Surfaces

After regular cleaning, surface is re-contaminated with bacteria that grows and multiplies

Surface does not inhibit microbial growth, microbes grow and multiply

Surface can be cleaned regularly but does not maintain this characteristic over time

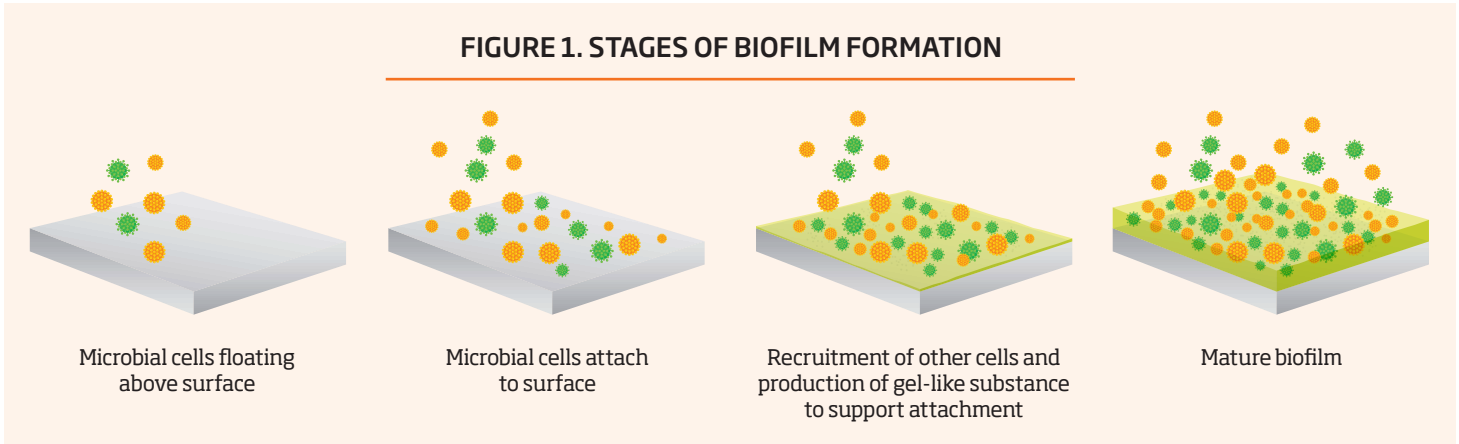
Surface does not feature antimicrobial performance

Surface does not have high antimicrobial performance, wear and tear and climatic conditions can reduce durability

No lasting efficacy, no antimicrobial performance

Biofilms On Surfaces

DEFINITION:
Biofilm a community of microorganisms that are embedded in a gel-like substance and anchored to surfaces.



As with untreated surfaces, Microban® treated surfaces are exposed and can be contaminated with microbes from the environment that can come from damp sources like water, blood, chicken juice, etc. However, when antimicrobials are incorporated into treated surfaces, they create unsuitable conditions for microbes to survive and multiply. As the contaminating microbes attempt to attach and absorb nutrients from a surface, they are also absorbing the antimicrobial from the treated surface. The built-in antimicrobial technology will interrupt the microorganism's metabolism and prevent attachment, survival, and/or growth.

Biofilms On Surfaces

Microban® antimicrobial technology does not prevent biofilm formation. However, it will work to protect a treated surface from microbially-induced product deterioration by delaying microbial attachment, survival, and growth. This means that if soil and dirt are wiped away from the treated article, the surface underneath will still be cleaner than an untreated surface.

While built-in antimicrobial treatments are not substitutes for normal cleaning practices, they will continue to work in between cleaning to reduce the growth of bacteria on surfaces. Ultimately, surfaces with built-in antimicrobial technology can delay and reduce the formation of biofilms.

