



Tactivex®

Inhibiting Bacterial Growth, Naturally!

www.tactivex.com

Aimed squarely at the challenges with microbial contamination, Tactivex® is a film that features the Sharklet™ pattern for inhibiting the survival and growth of bacteria without the use of chemicals, disinfectants or biocides.

Turn high-touch surfaces into SAFE-TOUCH ZONES

Infections are frequently spread through transfer of bacteria from a surface to a person. Every day we come into contact with surfaces that have been touched by tens, if not hundreds of people since the surface was last cleaned. By using Tactivex with the patented Sharklet pattern to establish safe-touch zones on high-touch surface areas, employees, customers, patients and guests are provided protection from touching surfaces where bacteria can easily grow and spread.

Keep surfaces CLEANER BETWEEN CLEANINGS

Even with disciplined execution of cleaning protocols, maintaining the cleanliness of surfaces can be challenging. Once an unprotected surface is touched or exposed to contamination, bacteria may begin to grow and colonize, significantly increasing the risk of transference. By inhibiting the survival, growth and touch transference of bacteria, Tactivex provides a continuous safety net of cleanliness—keeping surfaces cleaner between cleanings.

Promote health and the environment with NATURAL BACTERIAL INHIBITION

While stopping the spread of infection is critical, the prolific chemistry-based approach to this problem has created a new monster—bacterial resistance. The World Health Organization (WHO) names resistant bacteria as the top human health threat. In contrast, Tactivex features the Sharklet technology powered by a surface micro-pattern rather than chemicals. Sharklet Technologies' patented surface topography mimics a pattern occurring in nature that is inherently unfriendly for the growth and survival of microorganisms.

The power is in the pattern



Sharklet is a patented surface technology comprised of millions of microscopic features arranged in distinct diamond shapes to form a continuous pattern. Each Sharklet diamond measures about 26 microns across and nearly three microns in feature height. The pattern is free of disinfectants, chemicals and biocides; it is the Sharklet pattern alone that disrupts bacterial colonization processes.

In tests simulating an ambient hospital environment, the Sharklet pattern has shown to significantly reduce the attachment, survival and touch transference of bacteria. Sharklet has been successfully tested against many Gram-negative and Gram-positive strains, including clinical isolates, in different media and flow conditions (e.g. Staph a., MRSA, VRE, Pseudomonas aeruginosa and E. coli).



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Putting Tactivex to use

Tactivex with the patented Sharklet pattern is a bacteria-inhibiting film that may be applied as a protective skin to high-touch surfaces or integrated with products to reduce the survival and spread of bacteria.



Protective Mats

Tactivex protective mats can be easily moved or replaced, reducing the survival and transfer of bacteria for a wide variety of surfaces. Mats are an ideal format for featuring educational or advertising content. Tactivex mat applications include:

- *Countertop mats at cashier stations and reception areas*
- *Mats designed for use with specific carts, workstations, trays and tables*
- *Mats for work spaces, such as desk covers, computer stations, nurses stations, laboratory work areas, refreshment/snack stations*



Surface Skins

Utilizing Tactivex as a surface skin enables protection of a broad range of surfaces. Tactivex skins come with a pressure sensitive adhesive available in varying degrees of removability. Skins are pre-cut to a customer specified size and shape and can be provided as semi-transparent or printed with custom colors and graphics. Tactivex skins may be applied to:

- *High-touch surface skins for public spaces and restrooms, such as counters, door panels, towel dispensers, trash bins, handrails and phones*
- *Covers for high-touch surfaces in patient rooms such as tray tables, bed rails, IV pumps and poles*
- *Bench and counter skins for locker rooms and fitness centers*



Direct Product Integration

By incorporating Tactivex as a surface in the product design, manufacturers have the ability to provide a product with built-in bacterial inhibition. Tactivex can be applied as a primary surface during the assembly of products as well as featured as a top layer for product labeling.



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