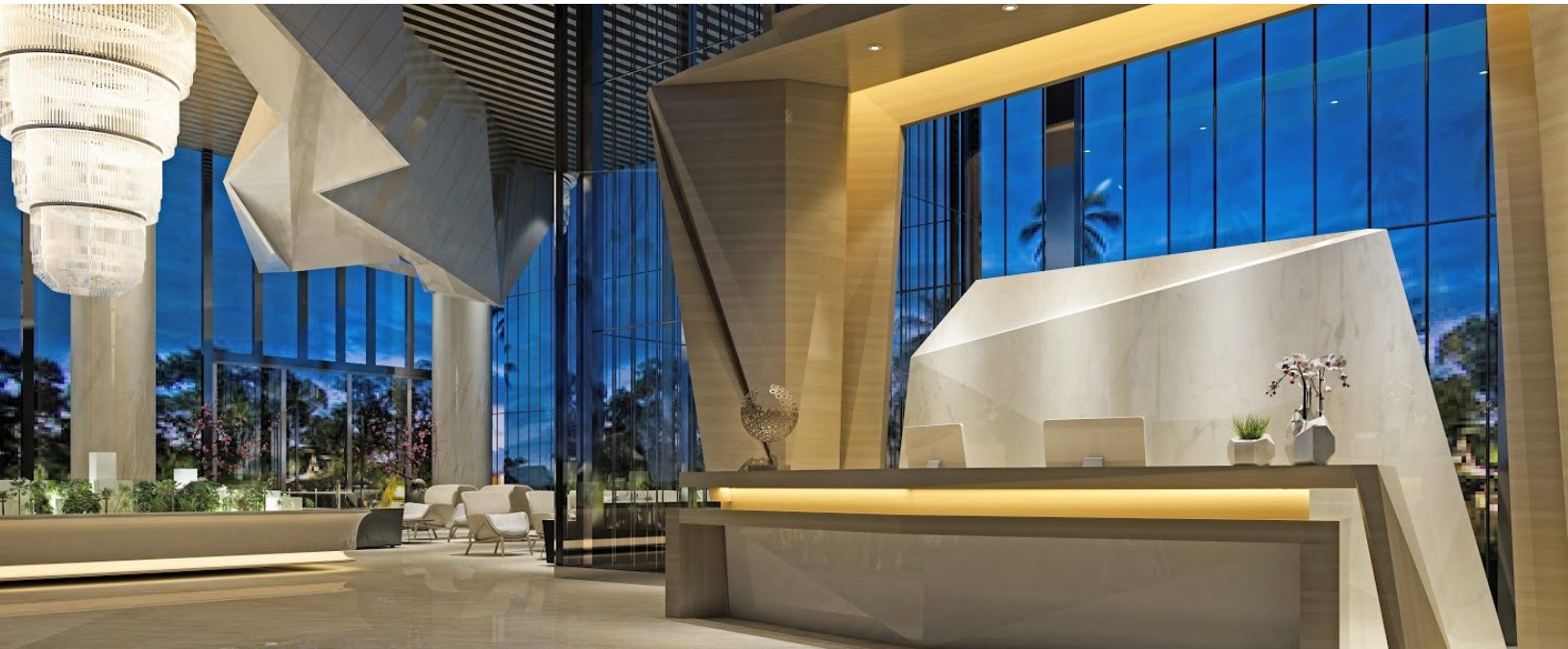


# Keep your hotel clean with BIOPROTECT™

*The BIOPROTECTUs™ System for the Hospitality Industry*



## THE PROBLEM: MICROBES

Every day we come into contact with millions of microbes including harmful bacteria, fungi and pathogens. Practically everything we touch is certain to have bacteria on it. Bacteria, such as *E.Coli*, *Staph*, Mold, and Mildew that can cause severe illness, are easily contracted from surfaces and textiles that aren't cleaned properly and regularly. Conventional treatments and disinfectants can quickly kill and reduce the number of bacteria, however once the solution dries the bacteria regrows and returns to **unsafe** levels. With the need to reach maximum revenues the demand to turnover a "clean" hotel room is ever increasing. As millions of guests check in and out of hotels every day, there is greater risk of microbial cross-contamination in those hotel living spaces, and risk of missed "cleaning". This presents a need for enhanced cleaning protocols, more specifically a regiment of disinfection and antimicrobial surface protection is inherent.

## THE SOLUTION: THE BIOPROTECTUs™ SYSTEM

From hotel reception areas to elevators and escalators, to hotel beds and bathrooms, continued improvements to a facilities cleaning process can only benefit the health and experience of the guest, the employee and overall reputation. Surface disinfectants have not only proven ineffective, they have elevated this microbial problem by helping the creation and adaptation of superbugs which have become more impervious to traditional cleaners and sanitizers.

The BIOPROTECTUs™ system includes an array of patented, EPA registered technologies to modify surfaces, providing such surfaces with disinfection and durable long term antimicrobial protection that kills and inhibits

the growth of problematic bacteria, fungi, algae, protozoans, viruses and other microorganisms that can exist in many of life's surfaces. In addition, the BIOPROTECTUS™ System offers hand and skin purifiers, laundry treatments and air purifying filters.

## THE BIOPROTECTUS™ SYSTEM VALUE



✓ Providing guests with a BIOPROTECTED™ room and hotel living space

✓ Providing employees with and EPA registered hospital grade disinfectant and patented water-based residual antimicrobial protection that adheres to a surface

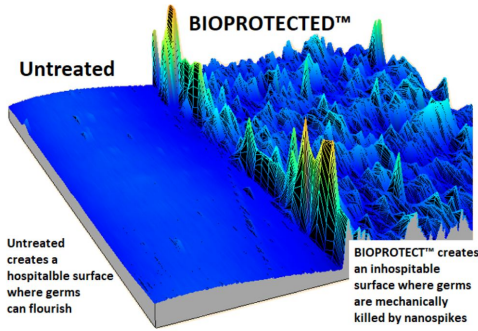
## BIOPROTECT™ VS. THE REST

Antimicrobial Technologies	BIOPROTECT	METHANOL TECHNOLOGY	TRICLOSAN TECHNOLOGY	SILVER ION TECHNOLOGY
Passed FDA cytotoxicity	Yes	No	No	No
Kill Method	Non-leaching Kills by piercing & rupturing the cell membrane of each microbe	Non-leaching Kills by piercing & rupturing the cell membrane of each microbe	Leaching Uses poison to kill microbes	Leaching Uses ions to disrupt cell processes and kill microbes
Superbug Preventative	Yes	Yes	No	No
Cost	Affordable \$	Moderate \$\$	Moderate \$\$	Expensive \$\$\$
Safety	Safe for Humans & the environment. No poison, toxic chemicals or heavy metals are used	Toxic physical & chemical hazards. Avoid discharge into drains.	In 2016, FDA banned use of triclosan in antibacterial products	Can cause permanent skin discoloration

## THE VALUE OF BIOPROTECT™

### Why all antimicrobials are not created Equal

When applied to a surface or incorporated into the manufacturing process, BIOPROTECT™ forms a covalent bond with the surface creating a durable antimicrobial protective layer. This layer forms a nano-bed shield of spikes (self assembling monolayer), each of which carry a positive charge that attracts the negatively charged bacteria. Once attracted, the molecular spikes pierce the cell and rupture its cell membrane, causing that bacterial microorganism to die on contact.



## VIACLEAN'S PROMISE

*Our promise is to continue to research and develop environmentally responsible solutions that help continuously and persistently protect life's surfaces.*



## NEXT ACTION

The BIOPROTECTUs™ System, offering a market leading hospital grade disinfectant also uniquely offers numerous formulations of the patented EPA registered BIOPROTECT™ antimicrobial surface protectant that enable ViaClean to provide customers with multiple product solutions under a customizable solution meeting a Hotelier's specific advanced cleaning requirements.

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