

PGA

Northeastern New York Section

In Order to Provide a Cleaner, Healthier Golf Environment, PGA NENY has Partnered With DisinfectEd, LLC

**We have partnered with DisinfectEd and ViaClean, to use
The BIOPROTECTUS™ System which uses patented, FDA
approved, EPA registered technologies providing
disinfection and *protection up to 90 days* against
viruses, bacteria, and other microorganisms.**

**All Processes and EPA-Registered Cleaning Solutions are:
Non-Toxic - Safe for Children & Pets - Minimizes Allergens**

***Notable Clients Include NYC MTA, NYC Housing Authority, Barclays
Center, Dallas Cowboys, San Antonio Spurs & Spanish Oaks Country Club***

Installation Process - DisinfectEd, LLC, certified installers will be scheduling appointments with each course individually and planning their installs by region. Installation includes DisinfectEd Technicians treating agreed upon surfaces with SmartTouch Disinfectant and the patented BIOPROTECT Solution via Electro-static Sprayers.

PGA NENY Partner Pricing

- \$20 per Golf Cart
- \$.30 per Sq Ft for Facilities, Clubhouses, Restaurants, Bars, etc.
- *\$15 per Golf Cart if Course protects *both* Carts and Facilities

*DisinfectEd, LLC has agreed to donate a portion of the revenue back to the PGA NENY as certain thresholds are met. Agreement based off of a minimum of 2 product installations per course.

Decision Deadline: May 10

GIVE YOUR MEMBERS THE PEACE OF MIND OF THE BIOPROTECTUS™ SYSTEM!

For further information on installment scheduling, please contact:

Chris Bennice VP of Sales | 518.424.9605 | chris@thedisinfected.com



BIOPROTECT

Persistent | Continuous | Clean

ANTIMICROBIAL TECHNOLOGY

Info Packet



A REVOLUTIONARY ANTIMICROBIAL FORMULA

BIOPROTECT is an EPA registered antimicrobial formula that provides long lasting protection against harmful microbes including bacteria, fungi, algae, and yeast.

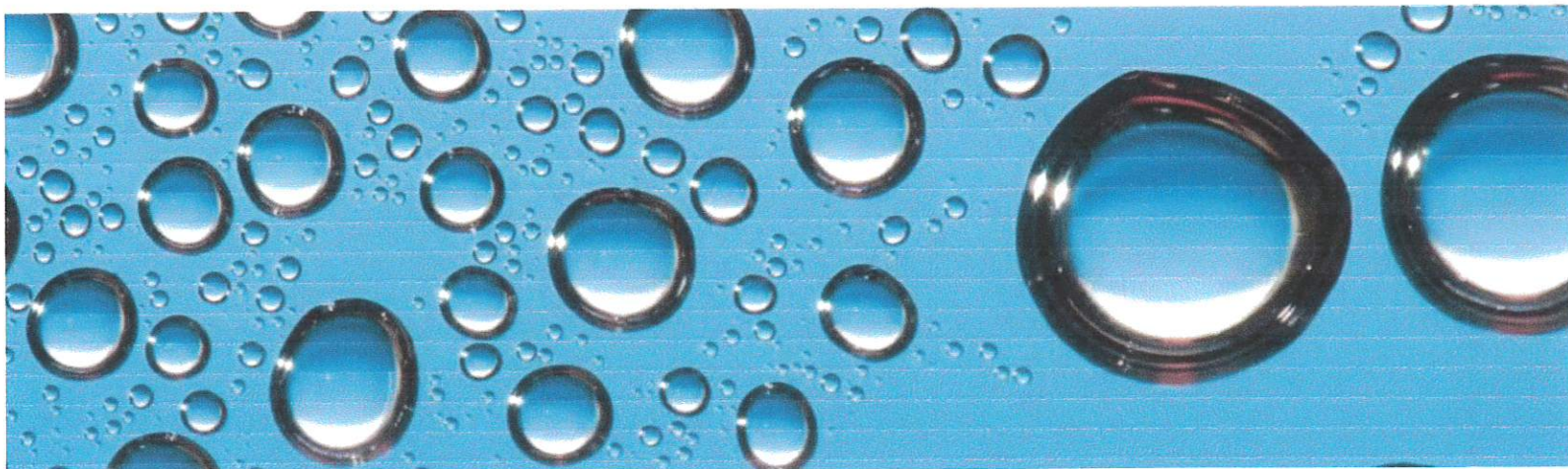
BIOPROTECT's versatility allows it to solve microbiological problems in many industries and applications. Stabilized with patented technology and optimized for the use and abuse of diverse end-uses and microbiological demands.



BIOPROTECT's technology, by definition is REVOLUTIONARY. It is entirely unique compared to all other antimicrobial products on the market. It is a one of a kind, water based, surface protectant that forms a long lasting, persistent, continuous bond that inhibits the microbial growth on all applied surfaces.

OUR VISION

At ViaClean Technologies, we are committed to utilizing our patented technologies to reduce the presence and transfer of harmful microorganisms to help protect people, products, animals and the environment from disease and illness.



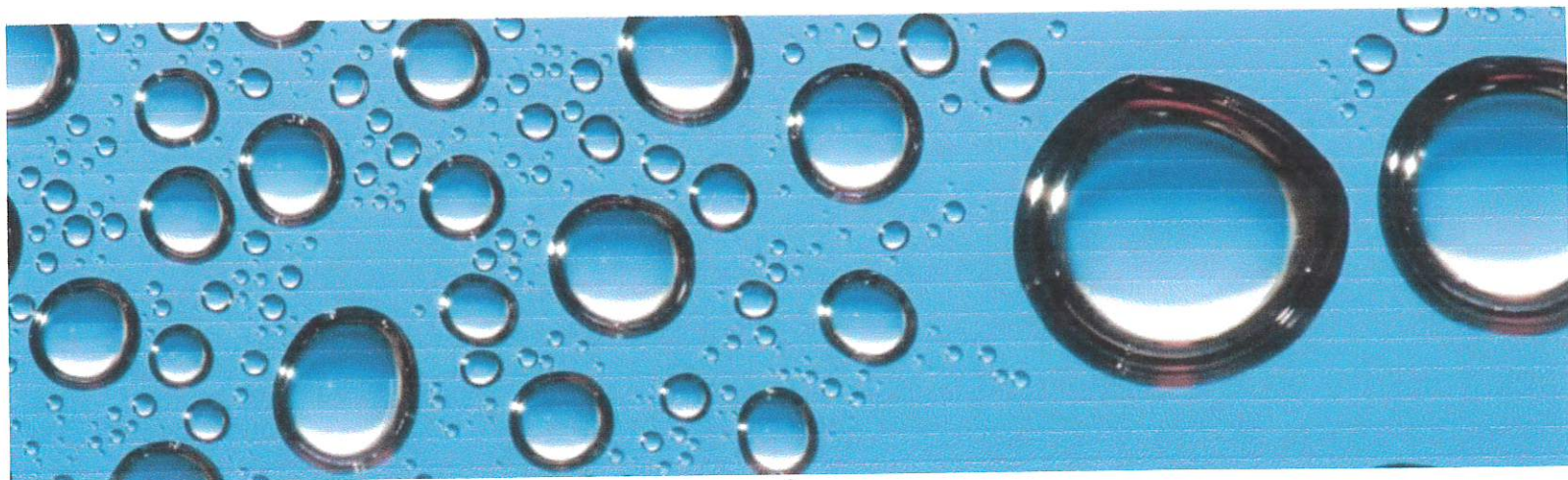
OUR MISSION

At ViaClean Technologies we use our expertise, unique technologies, reliable service and product performance to:

- Provide a positive impact on humanity
- Promote the public good in all that we do
- Minimize our environmental footprint
- Maximize our compliance with the principles of sustainability
- Provide a safe & positive workplace that enables our employees to reach corporate and personal goals
- Enhance the value of our company for our stockholders

THE STORY

Every day we come into contact with millions of microbes including harmful bacteria, fungi and pathogens. Practically everything we touch is sure to have bacteria and fungi on it. Bacteria such as E.Coli and Staph can cause severe illness and are easy to contract when surfaces aren't cleaned properly and regularly. Conventional disinfectants can quickly kill and reduce the number of bacteria however once the solution dries, the bacteria regrows and returns to unsafe levels. Disinfecting a surface every two hours is not an efficient use of anyone's time, not to mention the negative effects of repeat exposure that toxic cleaners have on your health.



THE SCIENCE

"The Proof is in the Pudding"

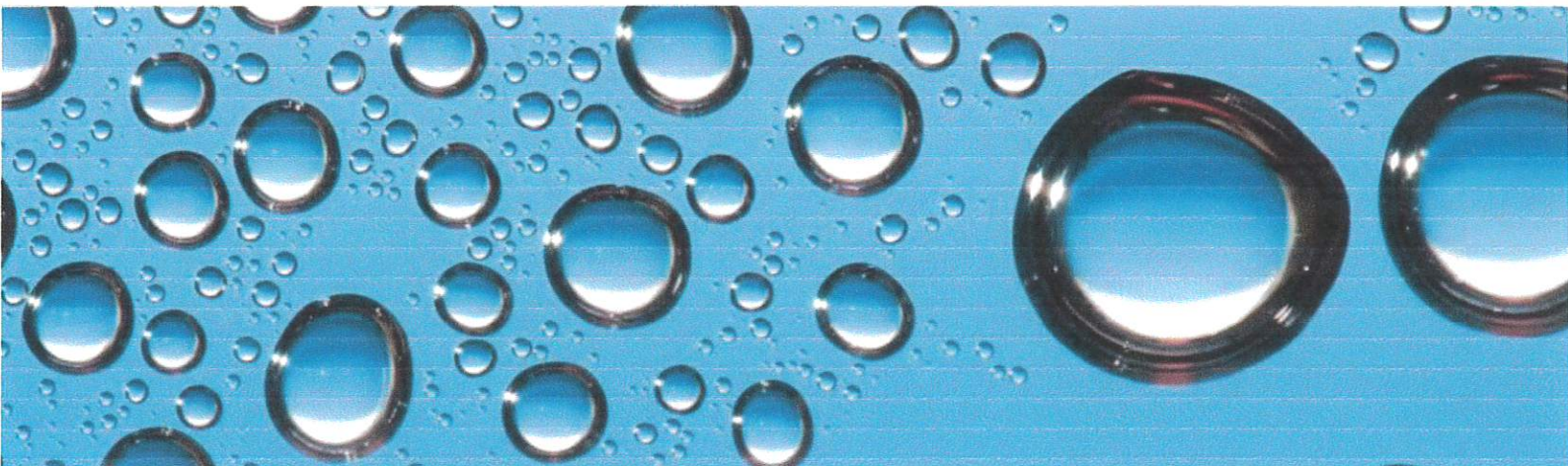
Traditional antimicrobial products work by penetrating living cells and killing using toxic chemicals which leach off surfaces. This outdated method was designed to work rapidly and disappear quickly to avoid harming those in contact with the product.

BIOPROTECT'S antimicrobial technology takes a completely different approach. Instead of delivering poison to kill microbes, it produces self-assembling monolayers that form a durable "killing field" that protects all coated surfaces from microbial attachment, colonization. This technology kills by mechanically piercing and rupturing the cell membrane of each microbe. This innovative technology prevents mutation, therefore no antimicrobial resistant strains or "superbugs" are created.

The tiny self assembling spikes that pierce and rupture the cell membrane are large enough to pierce the cell walls and small enough to be harm-free to large cells in mammals. These tiny self assembling spikes carry a strong positive charge that attracts negatively charged bacteria.

EFFICACY

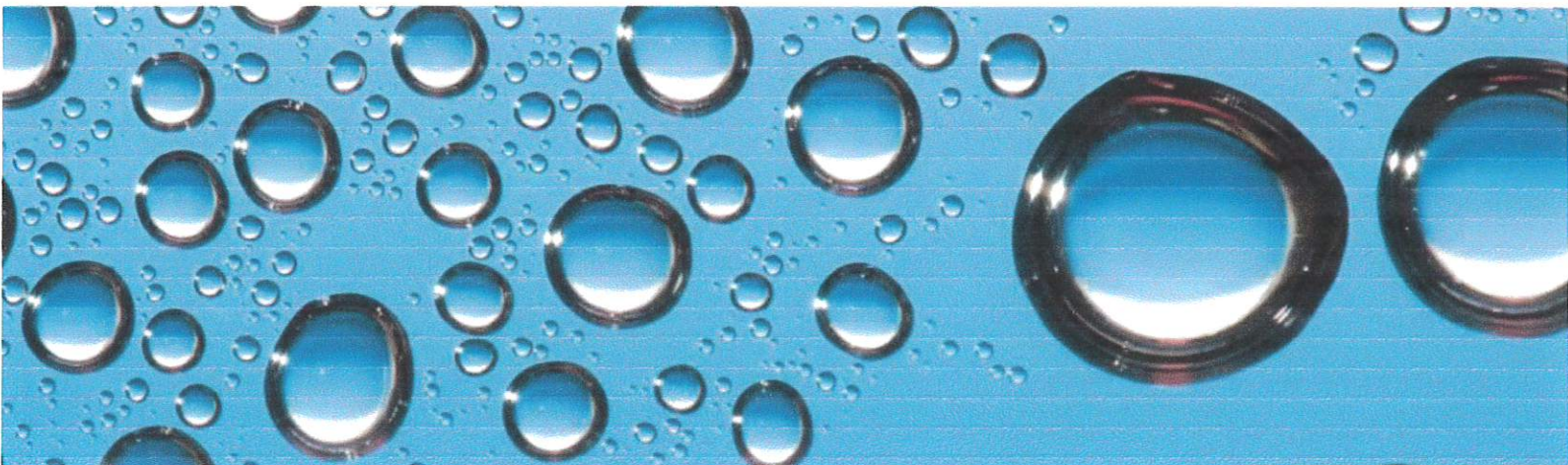
Conventional disinfectants and antimicrobials are effective while wet and quickly lose their efficacy as the solution dries. **BIOPROTECT'S** antimicrobial formula begins to perform and protect against harmful microbes as it dries on the applied surface. The unique non-leaching and non-volatile formula has proven to remain effective at killing microbes and reducing odors for 90+ days on various surfaces.



COMPETITORS

"All antimicrobials are not created equal"

ANTIMICROBIAL TECHNOLOGIES	BIOPROTECT	TRICLOSAN TECHNOLOGY	SILVER ION TECHNOLOGY
KILL METHOD	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	NO	NO
COST	AFFORDABLE \$	MODERATE \$\$	EXPENSIVE \$\$\$
SAFETY	SAFE FOR HUMANS & THE ENVIRONMENT NO POISON, TOXIC CHEMICALS OR HEAVY METALS ARE USED	IN 2016, FDA BANNED USE OF TRICLOSAN IN ANTIBACTERIAL PRODUCTS	CAN CAUSE PERMANENT SKIN DISCOLORATION



INDUSTRIES

➤ AGRICULTURE

In addition to a pesticide, our antimicrobial product can inhibit the growth and spread of fungus and mold in a wide range of crop handling arenas.

➤ ANIMAL CARE

The animal care industry including veterinary hospitals, kennels, and pet groomers are all very susceptible to the spread of HAI's including harmful bacterial and fungal infections. Treating the environmental surfaces, equipment, blankets and beds provides preservative properties and protection from odor causing, staining, and deteriorating bacteria and fungi.

➤ EDUCATION FACILITIES

Schools and educational facilities can protect their students and staff from microbe related illnesses by incorporating our antimicrobial solution into their cleaning routine and HVAC systems. Schools are breeding grounds for bacteria, mold and other harmful microbes. Our water based, antimicrobial formula inhibits the growth of these microbes and persistently protects the substrate on which it's applied to.

➤ ENTERTAINMENT & LEISURE

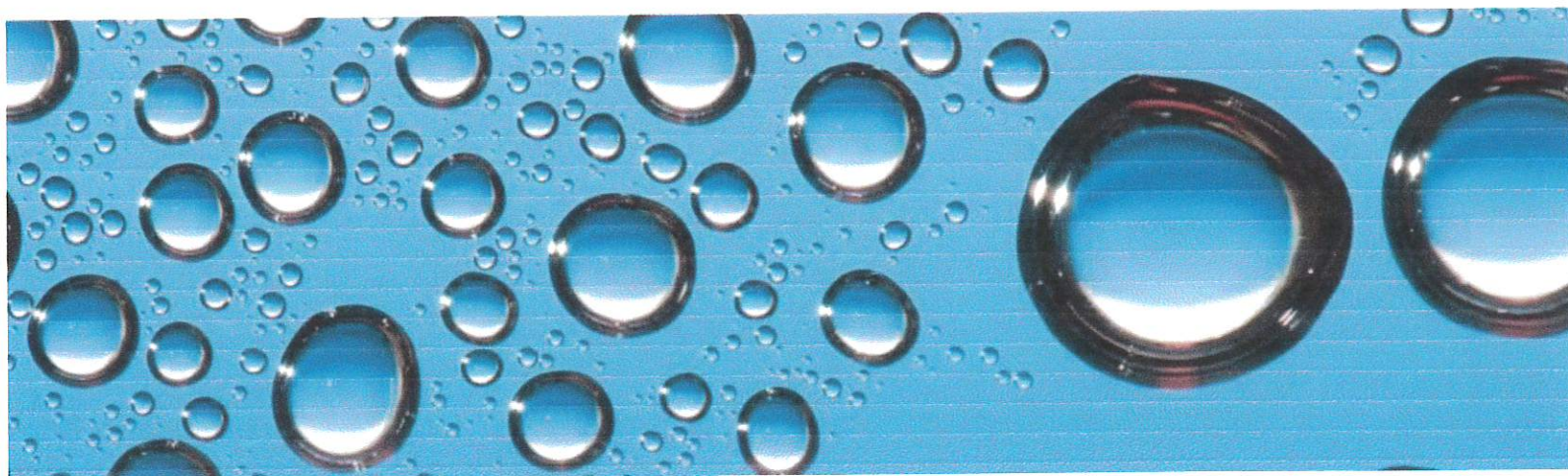
The entertainment and leisure industry can protect its customers and staff from microbe related illnesses by incorporating our antimicrobial formula to their cleaning routine in sports venues, movie theaters, bowling alleys, workout facilities and more.

➤ FOOD SERVICE

The food service industry is susceptible to the spread of potentially life threatening foodborne illnesses. The application of **BioProtect** can help stop cross-contamination and interior surfaces of facilities from microbial growth.

➤ GOVERNMENT SERVICES

Many government services like public transportation, wastewater treatment, and community centers are plagued with bacterial and fungal contamination. With the addition of our antimicrobial technology, things like public trains and parks can be protected.



➤ HEALTHCARE

Hospital acquired infections (HAIs) and Surgery acquired infections (SAIs) can be prevented with the use of a disinfectant like **BioProtect DP** in addition to our antimicrobial coating which preserves the surfaces from bacterial and fungal colonization.

➤ HOSPITALITY & TRAVEL

The hospitality industry is susceptible to the spread of dangerous bacteria in high traffic areas of hotels, casinos, cruise ships, airplanes and more. They also suffer from bacterial and fungal staining, deterioration, and odors. Everything from bed linens to door knobs can be protected with our antimicrobial product.

➤ MARINE INDUSTRY

The marine industry is faced with the challenge of keeping mold, mildew, algae, bacteria and other microorganisms at bay. These destructive microorganisms spread rapidly and damage both the interior and exterior of the boat.

➤ MEDICAL DEVICES

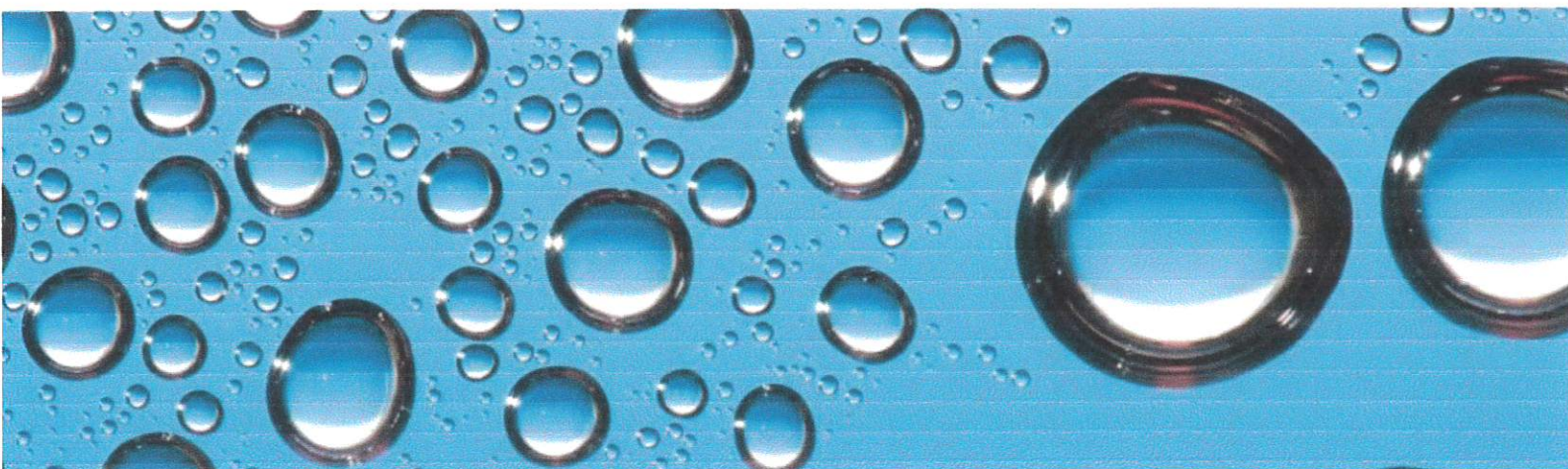
The medical device industry is susceptible to the spread of harmful pathogens from surfaces of medical devices to humans. The current antimicrobial formulas used on medical devices leach toxins into the human body and cause additional health problems down the road. In contrast, our antimicrobial technology is non-leaching and safe for humans and animals.

➤ OIL & NATURAL GAS INDUSTRY

The oil and natural gas industry face challenges with the spread of corrosion causing and odor producing microbes in their oil wells. The current biocides used for treatment are extremely toxic to humans and the environment. Our antimicrobial product can provide a safe, environmentally friendly solution to the industry's problems.

➤ PLASTICS & METAL COATINGS

The plastics industry can protect its products from microbes, staining, odors, and deterioration they can cause. By incorporating our antimicrobial technology into the product, or by adding our protective antimicrobial coating to the surface of any product, **BioProtect** can prevent the growth of microbes for the useful life of the product.



POULTRY

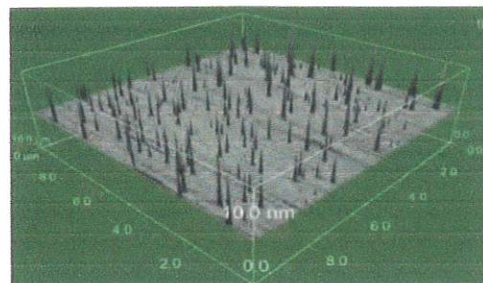
The poultry industry and its livestock are susceptible to a wide range of diseases including bacterial and fungal infections that can decrease profitability. The BioProtect products provide a more hygienic environment helping to reduce most of these problems.

TEXTILES

The textile industry is susceptible to the spread of harmful microorganisms including *staph*, mold, mildew and more. Our antimicrobial formula is proven to provide persistent protection against these harmful microbes and offensive odors.

THE SOLUTION: BIOPROTECT

BIOPROTECT is THE long term, big picture solution to safe, persistent antimicrobial protection. Our unique antimicrobial formula can be incorporated into traditional cleaning routines across many industries to help keep surfaces sanitized longer, protecting you, your customers and your employees from potentially life threatening infections caused by microbes.



PRODUCT HIGHLIGHTS

- Persistent, continuous antimicrobial protection
- Prevents adaptation aka Superbugs
- Reduces odors
- Non-leaching, non-migrating, bound technology
- 4 EPA Registrations, 3 Issued Patents & 3 Provisional Patents
- FDA Device Master file

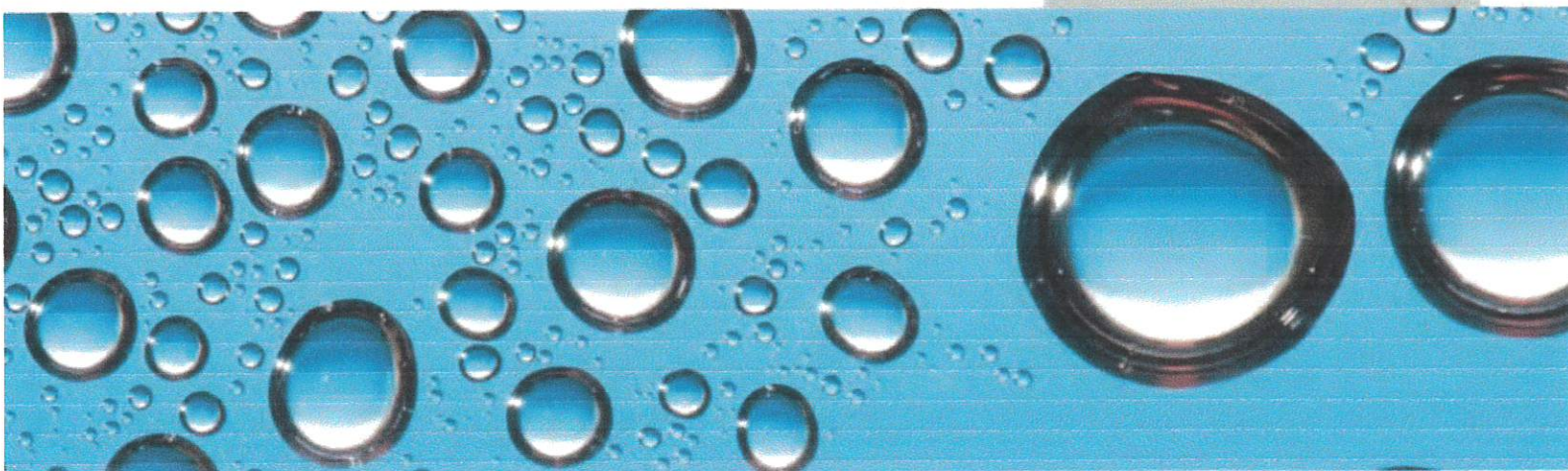


Contact Us

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FREQUENTLY ASKED QUESTIONS

WHAT IS BIOPROTECT?

BIOPROTECT is an EPA registered, antimicrobial technology that provides persistent, continuous protection against harmful microbial germs including bacteria, fungi, algae and yeast. Apply it to any surface and it forms a covalent bond to inhibit germ growth on any surface.

HOW IS BIOPROTECT DIFFERENT FROM OTHER ANTIMICROBIALS ON THE MARKET?

BIOPROTECT is unlike any other antimicrobial on the market with its ability to provide persistent, continuous, protection from germs and other harmful microorganisms. BioProtect is safe for people, pets and the environment. It does not use poisons, harmful chemicals or heavy metals to kill germs, instead applies a mechanical kill technology thus diminishing the creation of superbugs.

WHAT TYPES OF MICROBES DOES BIOPROTECT PROTECT AGAINST?

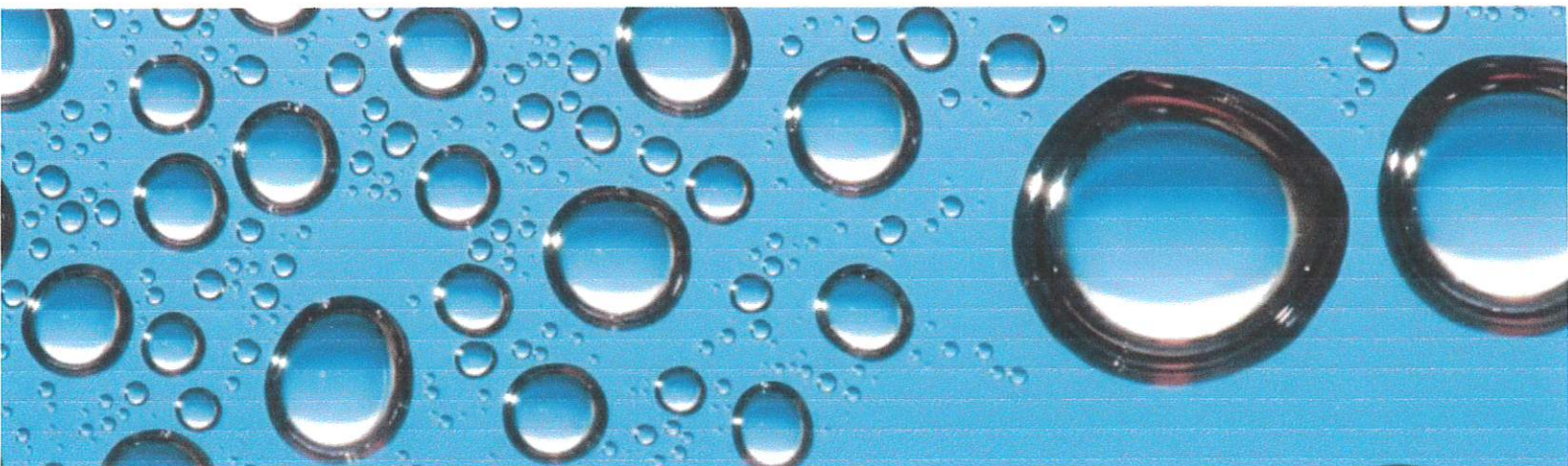
E.coli, staphylococcus, mold, mildew, algae, fungi, viruses, MRSA, C.diff, H1N1 and any other dangerous microorganisms that are to mutate and grow on a surface.

HOW DOES BIOPROTECT WORK?

BIOPROTECT kills microbes by piercing and rupturing the cell membrane of each microbe. This kill method prevents microbes from mutating and becoming resistant to BIOPROTECT, so no antimicrobial resistant strains or superbugs are created. BIOPROTECT'S molecular spikes carry a positive charge that attracts the negatively charged bacteria. Once attracted, the molecular spikes pierce the cell rupturing its cell membrane, and the bacterial microorganism dies.

IS BIOPROTECT SAFE?

Yes, BIOPROTECT is safe for humans, pets and the environment. BIOPROTECT contains no poisons, toxic chemicals or heavy metals. Chemicals such as Triclosan, have been banned for use by the FDA. BIOPROTECT is currently awaiting final approval of it's Device Master file from the FDA. Once approval is received, BIOPROTECT will be able to be incorporated into all classes of medical devices for the human body.



ONCE A SURFACE IS BIOPROTECT(ED), CAN IT BE TREATED WITH TRADITIONAL CLEANING SOLUTIONS?

Yes, all BIOPROTECT(ED) surfaces can be treated with a pH balanced cleaning solution (3 to 10.5) without detriment.

HOW LONG IS BIOPROTECT EFFECTIVE FOR?

BIOPROTECT antimicrobial technology works persistently and continuously on the applied substrate anywhere from 30-90 days depending on the composition of the substrate and the conditions of the environment. Please contact ViaClean Technologies to learn about our manufacturing processes which enable our technology to be effective for the useful life of the product.

HOW CAN BIOPROTECT BE REMOVED FROM A SURFACE?

BIOPROTECT forms a resilient covalent bond to the surface of substrates it is applied to. Only destructive abrasion to the surface has the ability to remove this coating.

WHAT IS THE SHELF LIFE OF BIOPROTECT?

Unopened the product can last up to 2 years, but once opened it will only last up to 1 year.

HOW SHOULD BIOPROTECT BE STORED?

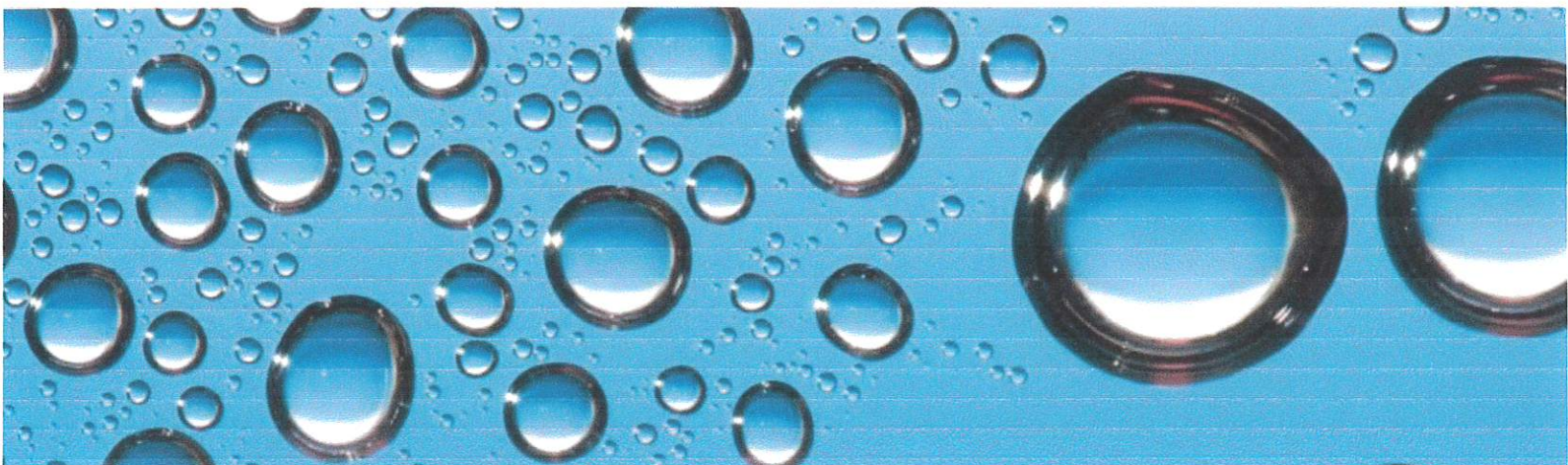
It must be stored in tightly closed containers in well ventilated areas. BIOPROTECT cannot be frozen, it must be stored in temperatures within the range 35°F-140°F

WHERE CAN BIOPROTECT BE USED?

BIOPROTECT can be used on all surfaces, including porous and non-porous surfaces, unlike disinfectants which can only be used on hard, non-porous surfaces. BioProtect can also be incorporated into the manufacturing processes of metals and plastics.

HOW IS BIOPROTECT APPLIED?

BIOPROTECT has many methods for application including fogging, spraying, padding, exhausting, soaking and more! We recommend BIOPROTECT be applied by a trained professional who has completed the ViaClean Applicator Certification Program. This training will ensure proper application and optimal effectiveness of the antimicrobial technology.



W. CURTIS WHITE, PHD

“THE GODFATHER OF ANTIMICROBIALS”



Curtis White has been involved in the research, development, registration, and commercialization of antimicrobial agents since 1962 as a teacher and employee at Dow Chemical, F. Jos Lamb, Dow Corning, and Aegis. From 1991 to its sale in 2010, Curt White was the founder, co-owner, CEO, Chairman of the Board and Director of R&D for AEGIS Environmental Management, a global supplier of solutions to microbial problems in buildings, enclosed transportation units, consumer and medical textiles, including wound care products and construction materials (The AEGIS Microbe Shield® Program).

Currently Curtis White is the Chief Technology Officer of ViaClean Technologies. He is also the Chairperson of the “Independent Commission for Improvement of Healthcare Outcomes and Cost-Containment in the Veteran’s Administration and Department of Defense Healthcare Systems”. In this role he consults on microbiological problem identification and remediation/containment in buildings and products, in addition to commercial and consumer products companies.

Curtis White is a frequent speaker at national and international conferences in textile preservation, infection control and in the control of problem causing microbes in indoor environments. He is recognized as a leader in the understanding and control of microbial problems on substrates, in products, and in the indoor environment. His involvement in professional, trade, and standards organizations, includes setting standards and communicating the values of various antimicrobial technologies and modes of antimicrobial activity has kept him on the leading edge of technical, testing, commercial developments in the fields of disinfection, preservation, the protection of indoor environments from microbes causing deterioration, staining, malodors, and human health problems.

Curtis White has over 50 patents and 200 plus technical, trade, and standards organizations papers and presentations. He has spoken to medical forums in Europe, the USA, Singapore, and India on infection control principles.