

WHAT IS THE BIOPROTECT MOLECULE AND HOW DOES IT WORK?

- BioProtect is a patented surfactant. BioProtect is similar to an innovative type of surfactant compound (i.e., surfactant) which is anchored by Silane (i.e., silicon) to all your surfaces.
- The BioProtect acts like a barbed wire fence against bacteria and viruses. Without water, BioProtect's polar – nonpolar (i.e., electrified) molecules turns into a micro-electric barbed wire fence providing viricidal and bactericide surface protection.
- It provides protection for up to 90 days. Unlike chemical sterilizers (i.e. disinfectants and sanitizers) that provide a viricidal and bactericide window of less than 15 minutes, immediately thereafter having no effect on surviving microbes repopulating treated surfaces or on new microbes being introduced to treated surfaces, BioProtect offers persistent protection for up to 90 days.

How can it be deployed?

- BioProtect is applied without touch through electrostatic guns and foggers:
 - o BioProtect application Protocol follows the UK's touchless application protocol which addresses the complex issue of human introduced contamination;
 - o BioProtect applicators have completed the Certified Applicator Program of ViaClean Technologies (owner and manufacturer of the BioProtect Molecule);
 - o The BioProtect product is deployed evenly on surfaces on all 3-dimensional surfaces (ie., walls, ceilings, floors, and more importantly, under, over and around furniture and fixtures and down drains) with state-of-the-art electrostatic guns and foggers ensuring 100% coverage within minimal time; and
 - o As an additional safety measure., it can even be applied to air filters, where its viricidal and bactericide properties can be harnessed as air circulates through the client's HVAC system;
- BioProtect requires no special maintenance. After air drying, simple wash and wipe-down, in line with normal cleaning procedures.

Where is BioProtect deployed?

- Commercial Facilities. Deploying the product initially in government and commercial facilities, it ensures critical services and operations continue in a bio-safe environment.
- Second order deployment can focus on uniforms. BioProtect can also be deployed as a fabric softener protecting the staff's clothing and uniforms.
- Residential Homes, Boats and Cars.

What certifications does the product have (current and pending)?

- **BioProtect is EPA and FDA approved.** BioProtect is so safe it is registered as an antimicrobial preservative under EPA and FDA Regulations to preserve food preparation surfaces and food contact articles. It is safe for the environment, humans, and pets. It is non-dissipating, non-leaching, non-migrating from the applied substrate and cannot be absorbed by either micro-organisms or by humans.
- The product was independently tested proving high efficacy in hospital environments. Microbac Laboratories, Inc. tested the product within high traffic areas every 15 days for 3 months. The tests were monitored by each hospital's environmental supervisor. Results proved a substantial reduction in microbes ranging approaching 99.9% over the entire 90-day test period.
- Under the present regulatory environment, BioProtect is certified against Corona Virus. As there are 1000's of viruses, the antimicrobial industry is allowed to certify based on model organisms for the main categories of virus: enveloped, non-enveloped, RNA, DNA, various families, etc. For the family of Corona Virus, the human Influenza A or sub-set H1N1 is the model which BioProtect has been tested to destroy.
- BioProtect is seeking final COVID-19 testing with results expected by mid-April. Cooperating with the Global Virus Network and 2 of their associated labs, BioProtect is currently in tests on the human isolated COVID-19 Hunan Strain of the Corona Virus. Preliminary BioProtect COVID-19 test results are expected by mid-April, with the Final Report completed by the end of April.

Who utilizes BioProtect in their Cleaning Processes:

- New Mexico State Government. BioProtect has been utilized in multiple applications for the New Mexico Government for over 18 months and they are actively expanding to more facilities.
- March 17, 2020 Press Release. Jet Linx Applies The BIOPROTECTUs™ System To Disinfect & Protect Its Aircraft & Facilities (prnewswire.com)
- March 13, 2020. The City School District of New Rochelle Superintendent announced, "To continue to lead in the area of technology used to clean schools, The City School District of New Rochelle just invested in "BioProtect Coating Technology." This will set us apart nationally. BIOPROTECT™ is an EPA registered, water-based, antimicrobial technology that provides persistent and continuous protection. BIOPROTECT™ is a preservative antimicrobial coating that can be applied to both porous and non-porous surfaces to inhibit the growth of odor causing, and stain causing bacteria."

Who is the team?

- BioProtect was invented by Dr. Curtis White, [er.al.](#), [KZ1] in the 1970s at Dow Chemical. Originally, the solution was invented for surface protection but soon thereafter was tested at the Kennedy Center for human space flight. Upon leaving Dow Corning, Dr. White purchased the patent and has since retired. Dr White has done 100's of building audits and treatments to get rid of mold and bacterial contamination and set up preventative treatments for long term preservation. Dealing with and preventing microbial and other pollutants in the built environment to protect materials, equipment, and the occupants takes a holistic approach and the right choice of treatments. Dr White has 50 plus years of experience doing just that.
- Viaclean Technologies, LLC owns the registrations and intellectual property
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