



DISINFECTING AND 90 DAY BIOPROTECTING SERVICE FOR
RECREATIONAL FACILITIES

The
BIOPROTECTUs™
System

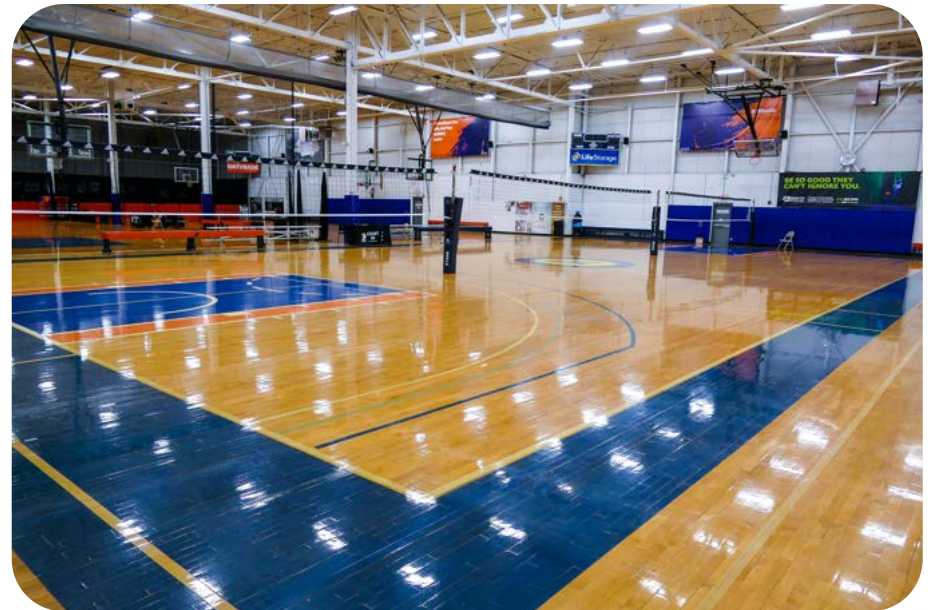
Setting New Standards for Clean





SERVICES

- SANITIZE SYSTEMS FOLLOWS THE RECOMMENDED CDC GUIDELINES FOR DISINFECTION AND STERILIZATION.
- UTILIZE BACK PACK, AND HAND HELD ELECTROSTATIC SPRAYERS, FOGGERS AND MISTERS TO THOROUGHLY DISINFECT AND PROTECT ALL AREAS. WE TREAT ALL SEATING, DOORS, RESTROOMS, CONFERENCE ROOMS, GYMS, CAFETERIAS, OFFICE SPACE, KITCHEN AREAS, STAIR TOWERS AND ALL TOUCH POINTS
- CARPETED AND HARD SURFACE FLOORS WILL BE TREATED AS WELL AGAIN UTILIZING A HOSPITAL GRADE DISINFECTANT SOLUTION AND BIOPROTECT 90-DAY RESIDUAL SOLUTION.
- ONCE TREATMENT HAS BEEN ADMINISTERED, SANITIZE SYSTEM TECHNICIANS WILL THEN WIPE DOWN ALL COMPUTER SCREENS, GLASS SURFACES, GLASS DOORS, MIRRORS AND CLEAR SURFACES.





PRODUCT

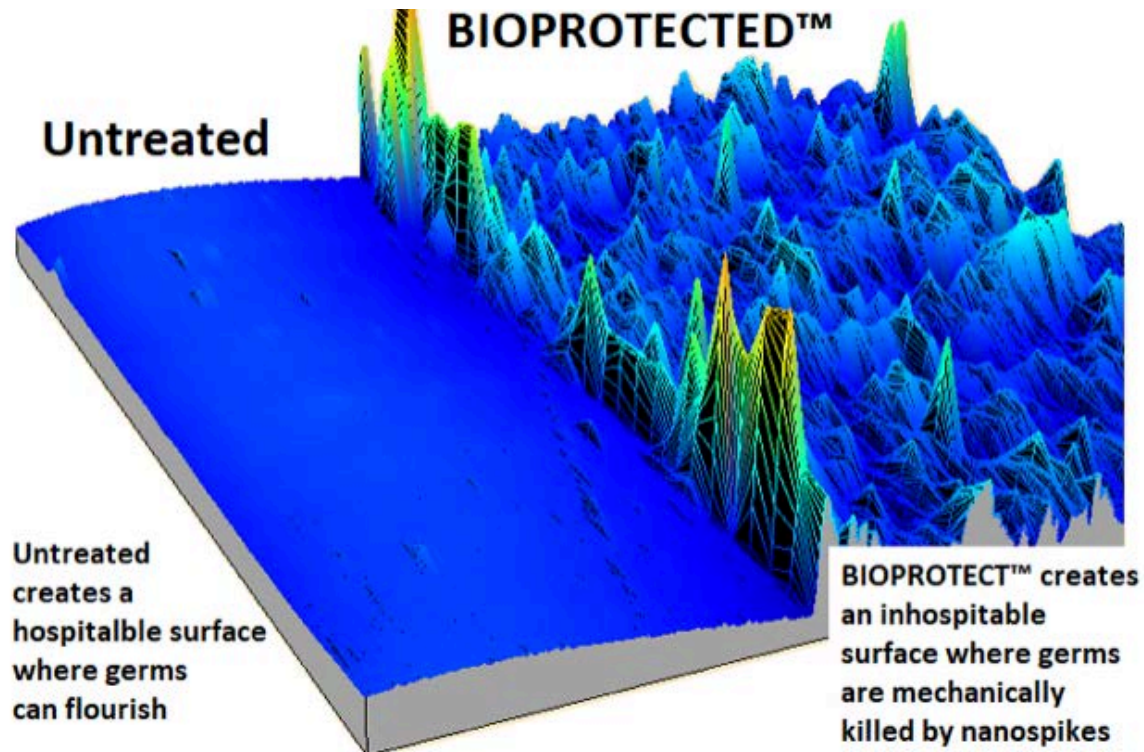
- SANITIZE SYSTEM USES DISINFECTING PRODUCTS REGISTERED WITH THE EPA THAT HAVE QUALIFIED FOR USE AGAINST ALL BACTERIA AND VIRUSES INCLUDING COVID-19.
- WE UTILIZE THE BIOPROTECUS SYSTEM THAT INCLUDES A HOSPITAL GRADE DISINFECTANT ALONG WITH AN ANTIMICROBIAL TECHNOLOGY SOLUTION. PROTECTION BEGINS IN 60 SECONDS AND REMAINS EFFECTIVE FOR UP TO 90 DAYS.





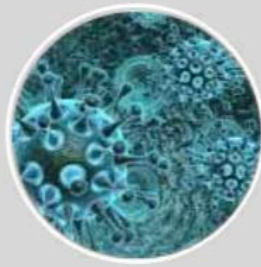
HOW IT WORKS

When applied to a surface or incorporated into a material, BIOPROTECT™ forms a covalent bond with the substrate and creates a microbiostatic antimicrobial coating. The coating 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.



BIOPROTECT™ - Fast Facts

Key Highlights:



BIOPROTECT™ is a patented, revolutionary antimicrobial that creates a microscopic shield on porous and non-porous surfaces to destroy bacteria on contact for up to 90 days after cleaning, even for surfaces that post treatment are immersed in water.



BIOPROTECT™ is water-based, non-toxic to humans and animals, contains no harmful chemicals or heavy metals, and is bound to the surface (substrate) meaning it cannot leach into the surrounding environment and is foggable in interior environments.

BIOPROTECTUs™ System



IS

- ✓ Odorless
- ✓ Colorless
- ✓ Persistent – works in DRY STATE
- ✓ Water-based
- ✓ pH balanced and hydrophobic
- ✓ Environmentally Responsible
- ✓ No VOC's
- ✓ Safe

IS NOT

- ✗ Toxic to humans or animals
- ✗ Leaching or migrating
- ✗ Flammable
- ✗ Corrosive
- ✗ Made of harmful or toxic chemicals, poisons, phenols, or heavy metals

FDA Master File for Medical Devices



We at ViaClean Technologies, are proud to announce the allowance of our FDA Master File! This confidential file contains the background info, biocompatibility data, and efficacy testing on the patented covalent bonding agents developed by Ryerson University in Toronto, Canada. These patented antimicrobial coatings and proprietary protective treatments allow for the most efficient use of our proven antimicrobial technologies for producing durable antimicrobial and anti-biofilm treatments. The new patented covalent bonding technologies in the ViaClean FDA Master File allow for reduction in the risks of microbial contamination and biofilms on metal and plastic medical devices including instruments, insertables, and implantables. Our covalent bonding technologies are perfectly suited for medical device manufacturers, hospital environments, anywhere the potential of healthcare acquired infections (HAIs) are the greatest.

The FDA Master File allows for expedited review of customers 510(k) submissions for their medical devices. The confidential ViaClean Master File can be used, with permission, by FDA reviewers to compare our files massive database and accelerate the acceptance of customer's equivalency data submission. Please contact info@viacleantechnologies.com if you're interested in learning more.



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IMPROVED CONTROL OF MICROBIAL EXPOSURE HAZARDS IN HOSPITALS: A 30 MONTH FIELD STUDY

- CONCLUSIONS
- THE DATA FROM THIS STUDY SHOW THAT SIGNIFICANT CONTROL OF AIRBORNE MICROORGANISM'S RESULTS FROM THE MODIFICATION OF INTERIOR BUILDING SURFACES WITH AN ORGANOSILICON ANTIMICROBIAL. EVEN WHEN EVALUATED UNDER SEVERE ENVIRONMENTAL CONDITIONS, THE ANTIMICROBIAL ACTIVITY OF THESE MODIFIED SURFACES PROVIDES SUBSTANTIVE REDUCTION OF AIRBORNE MICROBIAL CONCENTRATION.
- THE INITIAL REDUCTION OF AIRBORNE MICROORGANISMS AND THE SUSTAINED CONTROL OF MICROBIAL LEVELS DURING THE 30 MONTHS OF THIS STUDY ARE UNPRECEDENTED IN THE LITERATURE. WHEN VIEWED COLLECTIVELY, THE SAFETY, EFFICACY, AND DURABILITY OF THIS TECHNOLOGY PROVIDE A UNIQUE OPPORTUNITY TO CONTROL THE RISKS ASSOCIATED WITH MICROBIAL CONTAMINATION IN BUILDINGS.

3 MONTH HOSPITAL STUDY



BIOPROTECT's efficacy was tested over a 3 month period at 3 different hospitals across the United States. Testing was performed by Microbac Laboratories, Inc., for Hospitals A & B and Chestnut Laboratories conducted the testing for Hospital C. Within each hospital, 2 to 3 high traffic areas were selected for testing including a variety of different substrates. Swab tests were performed every 15 days over a 3 month period in 2010. The tests were monitored by each hospital's environmental supervisor and sent to the third party labs for testing.



3 MONTH HOSPITAL STUDY

- HOSPITAL A: UNIVERSITY OF LOUISVILLE HOSPITAL
- HOSPITAL A IS A TEACHING HOSPITAL LOCATED NEAR DOWNTOWN LOUISVILLE, KENTUCKY. THE HOSPITAL'S EMERGENCY ROOM IS ONE OF THE LARGEST TRAUMA FACILITIES IN THE COUNTRY AND IS ABLE TO ACCOMMODATE UP TO 86 PATIENTS SIMULTANEOUSLY. THE CENTER IS STAFFED 24-HOURS A DAY AND ADMITS MORE THAN 2,400 PATIENTS EACH YEAR; 40 PERCENT OF THOSE ARE REFERRED FROM OTHER HOSPITALS THROUGHOUT THE REGION. NO PATIENT NUMBERS WERE READILY AVAILABLE FOR THE INPATIENT FACILITIES.
- HOSPITAL B: NATIONWIDE CHILDREN'S HOSPITAL
- AS ONE OF THE LARGEST AND MOST COMPREHENSIVE PEDIATRIC HOSPITALS AND RESEARCH INSTITUTES IN THE UNITED STATES, HOSPITAL B IS HOME TO THE DEPARTMENT OF PEDIATRICS FOR A LOCAL UNIVERSITY MEDICAL SCHOOL. IN A TYPICAL YEAR, THE HOSPITAL SEES PATIENTS FROM ACROSS THE COUNTRY AND AROUND THE WORLD. HOSPITAL B IS LOCATED IN CO-LUMBUS, OHIO AND MAINTAINS A MEDICAL STAFF OF APPROXIMATELY 950, A HOSPITAL STAFF OF 6,800, AND DELIVERS PEDIATRIC CARE FOR ALMOST 823,000 PATIENT VISITS ANNUALLY.
- HOSPITAL C: FREEMAN HOSPITAL
- HOSPITAL C LOCATED IN JOPLIN, MISSOURI, IS ALSO A TEACHING HOSPITAL AND FEATURES A 404-BED, THREE-HOSPITAL SYSTEM, WHICH INCLUDES A COMPREHENSIVE BEHAVIORAL HEALTH CENTER. THE FACILITY HAS RECENTLY COMPLETED A \$47 MILLION EXPANSION PROJECT HOSPITAL C IS A MEMBER OF THE OKLAHOMA OSTEOPATHIC MEDICAL CONSORTIUM OF OKLAHOMA AND THE REGIONAL OSTEOPATHIC POSTDOCTORAL TRAINING INSTITUTION AND AN AFFILIATE OF OKLAHOMA STATE UNIVERSITY-COLLEGE OF MEDICINE..



3 MONTH HOSPITAL STUDY

FINAL CONCLUSIONS

- ALL ANTIMICROBIALS ARE NOT CREATED EQUAL. IT'S IMPORTANT TO UNDERSTAND THE BASIC CHEMICAL, PHYSICAL, AND BIOLOGICAL PROPERTIES OF AN ANTIMICROBIAL SO THE BEST CHOICE CAN BE MADE. BECAUSE OF ITS UNIQUE MODE OF ACTION AND INABILITY TO MIGRATE FROM A TREATED SURFACE, OUR TECHNOLOGY IS THE OBVIOUS CHOICE TO MINIMIZE ENVIRONMENTAL CONTAMINATION AND THE DEVELOPMENT OF RESISTANT ORGANISMS. OUR EPA APPROVED PRODUCTS ARE SAFE FOR THE ENVIRONMENT, HUMANS, AND PETS. THEY ARE NON-DISSIPATING, NON-LEACHING, NON-MIGRATING FROM THE APPLIED SUBSTRATE AND CANNOT BE ABSORBED BY MICRO-ORGANISMS OR BY HUMANS.





PROTECT WHAT IS MOST PRECIOUS TO YOU



The
BIOPROTECTUs™
System

Setting New Standards for Clean



THANK YOU!



SS Sanitize Systems
BACTERIA – VIRUS – ODOR
DISINFECTING SERVICE
833-866-6367