

C3 Safe Solutions

Introducing BIOPROTECT

Extended Safety for 90 Days

Patented Technology

Easy & Safe Application

EPA Approved

FDA Approved

Missouri Company Minority Owned

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CREATING **SAFER** FACILITY ENVIRONMENTS

Introducing the **BIOPROTECTUs™** System



PROTECTING YOUR COMMUNITIES CUSTOMERS EMPLOYEES STAFF



- EPA Registered – Patented Technology
- Antimicrobial Biostatic Surface Coating
- Hospital Grade Disinfectant
- Hydrating Hand Sanitizer

INDUSTRIES INCLUDE

- Manufacturing
- Public Sector
- Private Clubs
- Retail Sector
- Foodservice
- Hospitality
- Grocery
- Airlines
- Sports & Ent. Venues
- Food Processors
- Office Buildings
- Manufacturing
- Cruise Lines
- Healthcare
- Education
- Industrial

PRIVATE – PUBLIC SECTORS

UNDERSTANDING

TRANSFER ROUTES

**DISINFECTANTS
ONLY KILL WHILE
WET - WHAT'S
PROTECTING YOU
THE OTHER 23
HOURS A DAY?**

TRANSFER ROUTES

- ✓ Counters & Desks
- ✓ Elevator Buttons
- ✓ Light Switches
- ✓ Toilet Levers
- ✓ Doorknobs

A Colony Forming Unit (CFU) is a unit used in microbiology to estimate the number of viable bacteria or fungal cells.

TOUCHPOINTS – A MAIN CULPRIT

The following CFU measurements were taken within a school setting. Workplaces including offices provide similar bacteria counts, especially in high-traffic areas and touchpoints.

Bacteria Measurements are CFU/Sq. In.

- Water Fountain Spigot – 2,700,000
- Plastic Reusable Cafeteria Tray – 33,000
- Faucet (cold water handle) – 32,000
- Faucet (hot water handle) – 18,000
- Cafeteria Plate – 15,800
- Keyboard – 3,300
- Toilet Seat – 3,200
- Animal Cage – 1,200

BIOPROTECT™ HIGHLIGHTS

TECHNOLOGY

Patented Technology

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 day after cleaning, even for surfaces that post treatment are immersed in water.

Water-Based - Non-leaching

BIOPROTECT™ is water-based, 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.

SmartTouch® & BIOPROTECT RTU

Causative Agent Control

Viruses	Bacteria	Mold / Fungi
<ul style="list-style-type: none"> • Corona (canine, feline) • Measles, Mumps • Hepatitis A,B,C • Chicken Pox • Norovirus • Rotavirus • Influenza • HIV 	<ul style="list-style-type: none"> • Salmonella (food) • Listeria (water) • Staph aureus • E. coli (feces) • Tuberculosis • C-diff (veg) • Legionella • MRSA 	<ul style="list-style-type: none"> • Athlete's foot • Aspergillosis • Ringworm • Candida • Asthma

BIOPROTECT™

HOW IT WORKS

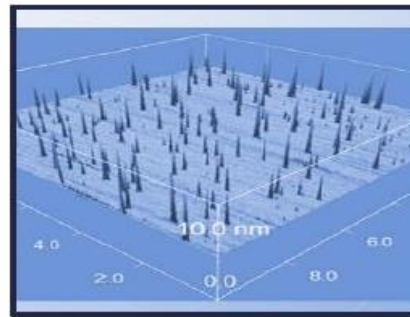
THE SCIENCE

Self-Assembling Monolayer

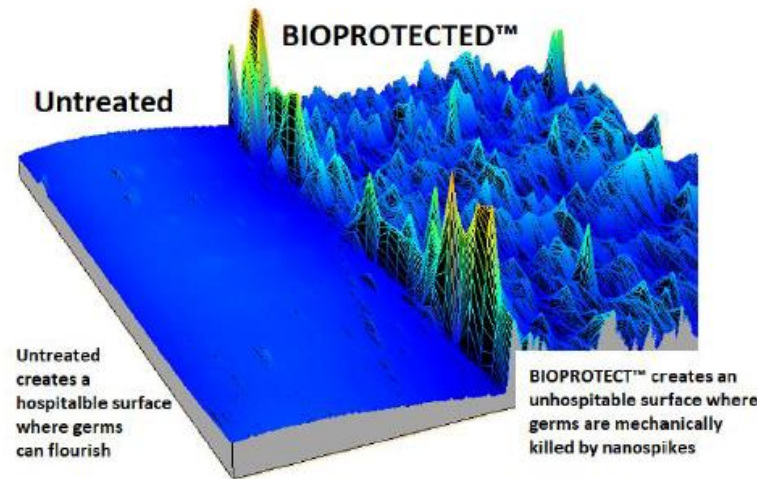
When applied to a surface or incorporated into a material, BIOPROTECT™ forms a covalent bond with the substrate and creates a **micro-biostatic antimicrobial coating**.

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.



Untreated vs BIOPROTECT™ Treated Surface



Just spray or fog **BIOPROTECT™** onto a surface directly from the bottle or sprayer; it's as easy as that.

No rinse is required, even for food surface contact, and protection begins in 60 seconds and remains effective for up to 90 days.



MAYO CLINIC:

We coated everything you can imagine ... all of the contact surfaces, like gas caps, all interior components, the radio. The steering wheel was coated twice," he said.

The clear liquid leaves surfaces with a slightly silky feel that is the only sign of the coating. The protection of the coating is designed to last up to 90 days

When told about Bioprotect, the ambulance crews watching the process asked to spray their jackets and protective gear with the material. Bioprotect can keep clothing virus-free either through spraying or in the washing process.

Madison Fire Department, added, "As we strive to fulfill our duties of ensuring the health and safety of our community, we are excited to welcome the added layer of protection BIOPROTECT can offer by treating our facilities and vehicles with their advanced system. Knowing that our facilities have been treated with such effective technologies that offer continuous and persistent protection truly offers some ease of mind, especially given the current climate."

The Madison Fire Department operates 14 fire stations throughout the Madison Metropolitan area, all of which have been be treated by the revolutionary BIOPROTECTUs™ System. In order to demonstrate the efficacy of the products, City Administers, **performed ATP Testing to fire department surfaces before and after application with great results!** Following the initial application, the city will reapply the BIOPROTECTUs™ System every 90 days in order to continuous safeguard the Madison Fire Department facilities.

BIOPROTECT™ YOUR FACILITIES

WHERE CAN IT BE APPLIED?

SHORT LIST -



FACILITIES MANAGEMENT

Application Surfaces

- ✓ Playground Equipment
- ✓ Administrative Offices
- ✓ High Traffic Areas
- ✓ Storage Areas
- ✓ Touchpoints
- ✓ Classrooms
- ✓ Bathrooms
- ✓ Lockers



TRANSPORTATION

Application Surfaces

- ✓ Upholstery – Leather - Fabric
- ✓ Steering Wheels
- ✓ Door Handles
- ✓ Dash Boards
- ✓ Cup Holders
- ✓ Head Rests
- ✓ Floor Mats
- ✓ Seats



FOOD SERVICE

Application Surfaces

- ✓ Food Contact Surfaces
- ✓ Seating Areas
- ✓ Dining Tables
- ✓ Dining Areas
- ✓ Cafeterias
- ✓ Kitchens



ATHLETICS

Application Surfaces

- ✓ Food Preparation Areas
- ✓ Workout Areas
- ✓ Sports Arenas
- ✓ Seating Areas
- ✓ Practice Mats
- ✓ Astroturf
- ✓ Gyms



HOSPITALS

Application Surfaces

- ✓ Waiting Rooms
- ✓ Patient Rooms
- ✓ Seating Areas
- ✓ Cafeterias
- ✓ Hallways
- ✓ Kitchens

- FDA Master File for use on medical devices including:

- ✓ Instruments
- ✓ Insertables
- ✓ Implants

BIOPROTECTUS™

WHY USE THIS SYSTEM?

- ✓ It **ELIMINATES** the “unrealistic expectation” to increase the usage of disinfecting products during the flu season
- ✓ It **WORKS IN CONJUNCTION** and supports your existing cleaning and maintenance programs
- ✓ It **OFFERS ADDITIONAL PROTECTION** beyond cleaning and disinfecting
- ✓ It **KEEPS YOUR WORKPLACE SAFER** for employees and customers
- ✓ It **CONTINUES WORKING** even when you’re not there
- ✓ It **MAKES CLEANING EASIER**
- ✓ It **SAVES TIME AND MONEY**