

BIOPROTECTUs™ System



IS

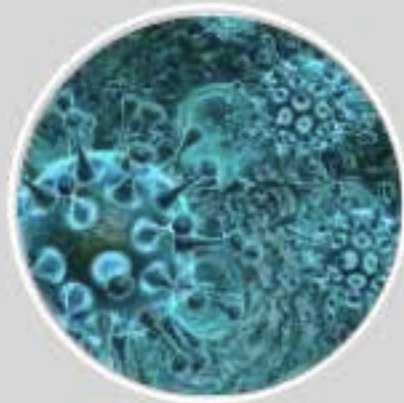
- ✓ Odorless
- ✓ Colorless
- ✓ Persistent – works in DRY STATE
- ✓ Water-based
- ✓ pH balanced and hydrophobic
- ✓ Environmentally Responsible
- ✓ No VOC's
- ✓ Safe

IS NOT

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

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.



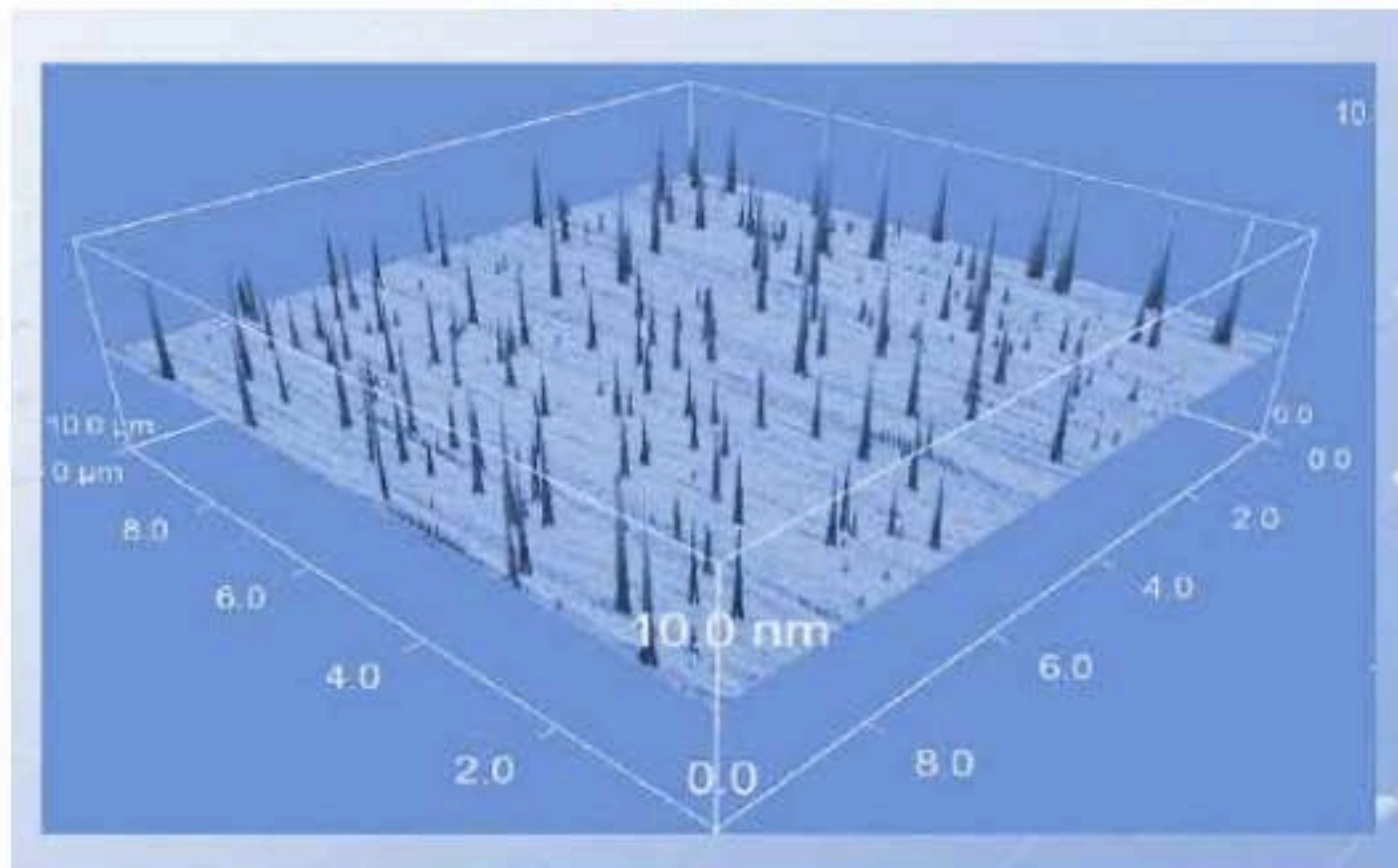
BIOPROTECT™ is water-based, non-toxic to humans and animals, contains no harmful chemicals or heavy metals, and is bound to the surface (substrate) meaning it cannot leach into the surrounding environment and is foggable in interior environments.



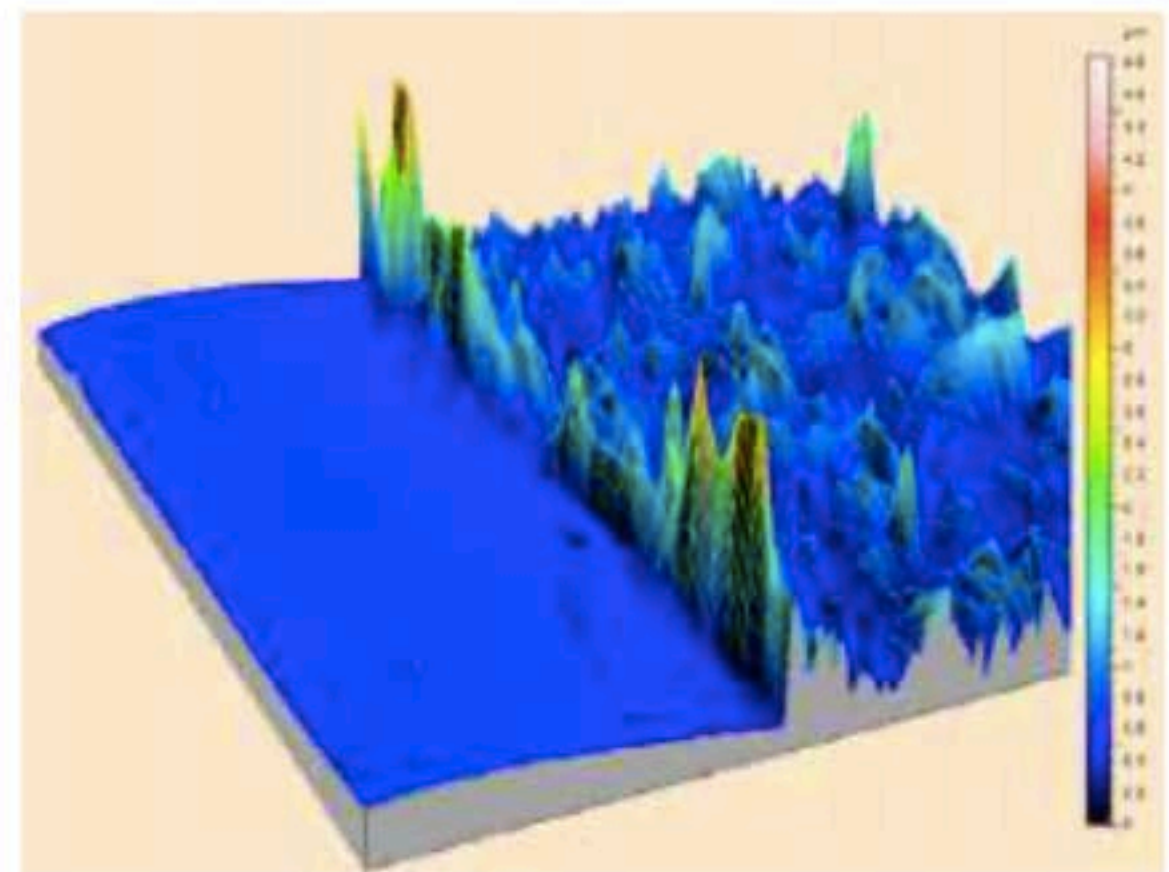
BIOPROTECT™ carries an FDA master allowance file (MAF) through the Center for Devices & Radiological Health (CDRH) as well as 2 revolutionary patents for the attachment of the UV (Generation II) molecule during the manufacturing process, extremely beneficial in the medical device, plastics manufacturing industries.

BIOPROTECT™ - 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.



Self assembling monolayer



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.

BIOPROTECTUs™ System

Hydrating Hand Sanitizer Extended Protection



- **Effective against 99.99% of Bacteria**
- **Up to 6 hours of protection**
- **Alcohol Free, Paraben and Sulfate Free**
- **Helps prevent the transfer of illness causing germs**
- **Increased and extended efficacy with repeated use**
- **Aloe infused**

BIOPROTECT™ Hand Sanitizer vs. Leading Hand Sanitizer

	BIOPROTECT™ Hand Purifier	Leading Hand Sanitizer
Patented technology	✓	
Alcohol Free	✓	
Contains NO VOC's	✓	
Non-Flammable	✓	
Odorless	✓	
Does not cause discoloration of fabrics	✓	✓
Kills 99.99% of bacteria	✓	✓
pH balanced at 5-7	✓	

BIOPROTECTUs™ System

BIOPROTECT™ RTU Surface Protectant

- **Water based, Patented, Bound Antimicrobial Technology**
- **Ready To Use (RTU) formulation**
- **Non-Leaching**
- **Persistent and Continuous protection of treated surfaces for up to 90 Days**
- **Mode of Action - Mechanical Kill**
- **Works while dry**
- **EPA Registered**
- **Both colorless and odorless**
- **Keeps surfaces protected between cleanings**
- **Neutral pH**
- **Non-Corrosive, Non-Flammable, No VOC's**
- **Food Contact Surface Preservative**



BIOPROTECTUs™ System

The Solution: BIOPROTECT™

- a patented, revolutionary antimicrobial that creates a microscopic shield on porous and non-porous surfaces to destroy bacteria on contact with residual protection, even for surfaces that, post treatment, are immersed in water.
- GLP Lab tested, E.P.A. registered and FDA accepted technology that prevents biofilm proliferation on all applied surfaces by inhibiting first colonizers, allowing for easier cleaning.
- a persistent, passive action that works consistently, between applications, providing extended antimicrobial protection



BIOPROTECTUs™ System

SmartTouch® Disinfectant

- E.P.A. Registered
- Hospital Grade Disinfectant
- Highly Effective - 99.999% kill (5 Log Reduction)
- 30 second kill time on *e.coli* and *s.aureus*
- *Effective a total of 38 GLP Tested Organisms*
- NSF (D-2) Registered No Rinse Required for Food Contact Surfaces
- No VOC's
- Non-Corrosive
- Non-Flammable
- Neutral pH

