

## **Bio-Protect application for Desks and Hard surfaces**

When applied to a surface or incorporated into a material, BIOPROTECT™ forms a covalent (chemical) bond with the substrate and creates a microbiostatic antimicrobial protective layer, making it unreceptive to microorganisms, this film does not migrate and will not leave surface, and is not reduced by standard routine cleaning and sanitizing practices. The coating forms a nano-bed shield of spikes (self-assembling monolayer), each of which carry a positive charge that attracts the negatively charged microorganism. Once attracted, the molecular spikes pierce the cell and rupture its cell membrane, causing the microorganism to die.

Application of Bio-protect is suitable for both wet and dry surfaces, test reveals that a treated surface eliminated 99.7% of all SARS-CoV-2 present and continued to perform at 99.7% efficiency for 46 days, and provided over 95% effectiveness for the next 90.

## **Bio-Protect application for Unit Ventilators**

We have unit ventilators in our schools to provide fresh air intake. These ventilators are outfitted with high-performing filters that are treated with a biostatic coating (providing 90 days of protection against germs, airborne contaminants, etc.). We have also placed HEPA Air Purifiers in every elementary classroom. In many cases “social distancing” can be accomplished, but in others social distancing will be provided to the extent practicable.

### *Electrostatic Cleaning*

#### **The Benefits of Electrostatic Spraying**

- **Electrostatic** spray method can cover hard to reach surfaces.
- Effective against highly contagious viruses such as COVID-19, influenza, MRSA.
- Kills 99.999% of pathogens for up to 30 days.
- 10 times as efficient as conventional cleaning methods.

#### **Key Points**

- Entire surface coverage for complete disinfection of all designated areas
- All disinfectants are OSHA, EPA, and CDC approved and compliant
- Safer and more consistent application with no disruption to existing areas, papers or surfaces with quick kill time and no residue
- Can be sprayed on keyboards, phones, copiers and all other electronic high touch areas without damage or concern

Electrostatic spray disinfecting is the process of spraying an electrostatically charged mist onto surfaces and objects. After the spray is applied, the disinfectant goes to work on the entirety of all surfaces. It only takes 1 to 5 minutes depending on the disinfectant used; killing 99.99% of all pathogens. Its effective and touchless application means zero cross-contamination. Electrostatic spray disinfectant works by using our Bru-tab solution or Bio Protect film and is combined with air and atomized by an electrode inside the sprayer. Subsequently, the spray contains charged particles that are able to aggressively adhere to all surfaces and objects. Because the particles in the spray are charged, they cling to and completely coat all surfaces they're aimed at.