Antimicrobial System that Creates Self-Sanitizing Surfaces

Safe, Continuous, Long Lasting, Protection

www.iguardppc.com
Would you feel more confident if you had a self-sanitizing surface coating that destroys dangerous pathogens 24 hours per day in all areas of your facility and lasts 1 year?

What is iGuard's self-sanitizing system?
The advanced multifunctional system is composed of safe nanocrystalline minerals in a proprietary formulation. The system is a 2 step process that includes an EPA approved antimicrobial disinfectant and a light activated protectant.

The iGuard system is completely unlike conventional approaches to antimicrobial surfaces. Conventional approaches use toxic chemicals, heavy metals or dilute poisons to kill microbes and hope it will not harm animals and humans in the process.

Both the United States Environmental Protection Agency (EPA) and National Institute for Occupational Safety and Health (NIOSH) have extensively studied the ingredients in iGuard’s products for environmental safety. In studies of acute animal toxicity, irritation, sensitization, photo-irritation, photo-sensitization, human repeat-insult patch and skin penetration, the FDA finds no deleterious effects.

The self-sanitizing system uses a fogger and an electrostatic sprayer to ensure complete coverage. The protective top coat acts as a photocatalyst to trap and oxidize all types of bacteria, viruses and fungal spores through the production of hydroxyl radicals, one of the most powerful oxidizers of organics.

How does the iGuard system work?
The iGuard treatment is a trap for dangerous microbes.

1. The first step is disinfection using an EPA registered hydrogen peroxide fogging process that kills bacteria, viruses and spores.

2. The second step is an oxidizing photocatalyst that acts as a protectant to keep the surfaces clean between EVS cleaning.

Continuous Protection
The iGuard antimicrobial system creates a self-sanitizing surface for continuous protection against harmful bacteria, viruses, mold and fungi. We apply the treatment to any surface for a transparent, long lasting coating to protect against dangerous pathogens.

- One treatment with iGuard’s system provides germ protection for 1 year
- iGuard’s antimicrobial effect isn’t diminished by disinfecting or cleaning process
- The iGuard smart system keeps surfaces clean between cleanings
Contaminated surfaces in patient rooms have been linked to patient-to-patient transmission of several important nosocomial pathogens, including MRSA, VRE, C. difficile, and multidrug-resistant gram-negative bacilli (such as Acinetobacter species). Epidemiologic studies have shown that patients admitted to rooms previously occupied by individuals infected or colonized with MRSA, VRE or C. difficile are at significantly higher risk of acquiring these organisms from contaminated environmental surfaces. Infection Control and Hospital Epidemiology August 2010, vol. 31, no. 8; Huslage, Rutala, Sickbert-Bennett, Weber

Lower infection rates after introduction of a photocatalytic surface coating.
John Pulliam, MBA, LNHA
Budd Terrace at Wesley Woods, Emory Healthcare Atlanta, GA

Key Pathogens Where Environmental Surfaces Play a Role in Transmission

- MRSA
- H1N1
- CRE
- Norovirus
- VRE
- Rotavirus
- C-diff
- Acinetobacter

The disinfection process included in the iGuard system is touchless hydrogen peroxide that has the ability to kill microbes on contact, safely and continuously and sets a clean slate for the coating.

- The iGuard system is safe to use on any surface, including electronic equipment
- The iGuard electrostatic spraying process ensures complete surface coverage
- The iGuard treatment is nontoxic and safe for humans and the environment
Our mission is simple: We are a company focused on improving overall health through better infection prevention and control.

Facts on Touch Point Transmission
Medical studies show that touch-point disinfection is a major factor in reducing healthcare acquired infections.

- Environmental contamination leads to HAIs
- Dangerous microbes are persistent in the environment and take days, weeks or months to die
- Environmental contamination can happen in minutes after a room has been disinfected
- Healthcare worker’s hands are often the source of contamination in the environment
- Prior room occupant with MRSA, VRE or CDI can be a significant risk for transfer of these pathogens
- iGuard’s self-sanitizing surface system can reduce transmission of microbes that live on environmental surfaces