

October  
27, 2020

# FACILITIES MANAGEMENT

AT COLORADO STATE UNIVERSITY

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Issue 82

Hello Facilities Management Team,

All around campus, you have seen creative adaptations and problem-solving solutions that evolved with our new reality as we deal daily with a global pandemic. There have been changes to building capacity and traffic flow, Plexiglas barriers sprouted in offices overnight, sanitation stations have taken home in buildings and those of us on campus track our symptoms and temperatures. These changes and more are CSU's effort to keep our Ram and local community safe.

As you can imagine, our hardworking Custodial team members are on the front lines keeping our facilities sanitized and clean. Custodial is trained with expertise in chemical use and the handling of biological materials and are no strangers to technical chemicals with specific dwell times and distillation requirements.

One new tool in our Custodial toolbox is a groundbreaking product called PreventX 24/7.

When applied to a surface, PreventX 24/7 forms an invisible antimicrobial bio-barrier coating that wages non-toxic warfare against harmful microbes. The PreventX spray is not a replacement for our strict pre-existing disinfecting protocols but serves as an additional level of defense against germs, odors, mold, and mildew. The unique coating technology kills without poison and will not leach off treated surfaces or create super bugs. The invisible coating makes future cleanings easier, and eliminates odor-causing bacteria, mold, and mildew in carpets, trash cans, and restrooms.

Just like our Custodial staff, PreventX is specialized in its work and soundly proven in its effectiveness. It touts many features with results backed by laboratory testing. For example, independent studies have shown PreventX to be effective against Salmonella, E. coli, Listeria, and a wide range of other microorganisms. Other studies have shown that a single treatment of PreventX 24/7 potentially reduces the bacteria load of a facility by nearly 600%.

PreventX creates a long-lasting protective barrier that reduces cross contamination on high touch surfaces like those across campus – lasting up to 90 days depending on the use and the treated surface. This protective layer helps fight against biofilm as well. Biofilms are collectives of one or more types of microorganisms that can grow on many different surfaces. Microorganisms that form biofilms include bacteria, fungi, and protists. These films cannot exist on a surface treated with PreventX – therefore mold

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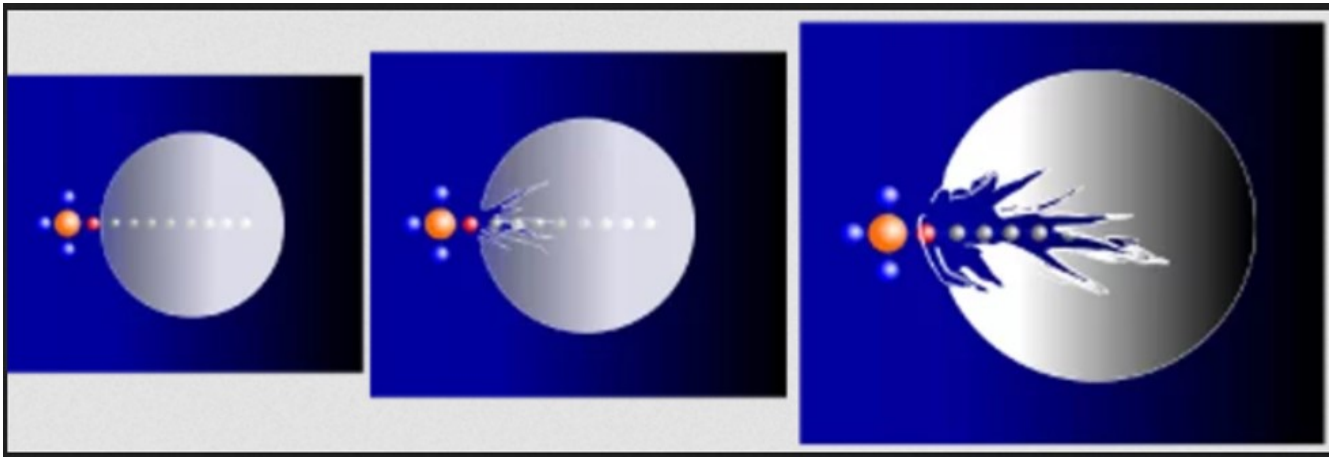
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and mildew cannot survive on a PreventX surface.

One of the most notable features of this new cleaning technology is that it is environmentally friendly and safer for contact because it is not a “chemical kill,” which use pesticides like most products. Instead, it is a “mechanical kill” that uses microscopic “needles” to puncture organisms. PreventX 24/7 relies on electrically charged particles that have a unique spiked molecular structure. In nature, most microbes carry an opposite electrical charge to these molecular spikes – so they are physically and irresistibly drawn into contact with PreventX 24/7’s pointed molecules.



The physical contact punctures the cell walls of the offending microbes. These molecular spikes are undetectable to human touch, but more than a match for single-cell organisms. Chemical and technological advancements continue to allow our Custodial staff, and all of us here at Facilities Management, to fully provide our campus communities with the best services in the industry. A fitting match for the best staff in the industry - Well Done!

*Tom*

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