

ANTIMICROBIALS FOR HEALTHCARE

Improve cleanliness in hygiene-critical environments by enhancing products and equipment with antimicrobial protection

WHAT IMPACT DO MICROBES HAVE?

Healthcare-associated infections (HAIs) impact over 6.7 million people annually. New research indicates that the patient environment is as important on the patient's overall well-being. You encounter many bacteria when you enter a patient room, physician's office or an outpatient facility. Facilities have routines for cleaning, but the training and compliance monitoring systems are in the early stages of development. As the development of new solutions progresses, innovative technologies built-in to materials used in the healthcare environment will be an essential part of a system's approach to keeping healthcare facilities cleaner.

HOW DO ANTIMICROBIALS SUPPORT CLEANER ENVIRONMENTS?

Antimicrobial Technologies are built into products during manufacturing to inhibit the growth of harmful organisms. In lab studies, customized antimicrobial technologies for healthcare surfaces have been shown to reduce bacteria such as MRSA, E. coli, and VRE by up to 99.9%. Kleenclad uses only Biomaster - Polygiene Silverion Anti Microbial technology for all K-Bio sheets. Antimicrobial products for healthcare benefit from the added protection provided by integrated technologies. Even after repeated contamination, these products remain cleaner between cleaning and help to reduce the spread of product-degrading bacteria on high-touch surfaces.

HOW ARE ANTIMICROBIALS INTEGRATED INTO PRODUCTS?

Antimicrobials are added to Kleenclad -K-Bio sheets during manufacturing, becoming part of the molecular structure of the treated articles.

HOW DO BUILT-IN ANTIMICROBIALS SUPPORT CLEANER ENVIRONMENTS?

Built-in antimicrobials can support antibiotic resistance prevention efforts. As embedded antimicrobial technologies help the growth of specific types of bacteria, there are fewer organisms in the patient environment that patients and employees may come into contact with. The reduction of bacterial presence, along with consistent cleaning and disinfection protocols, could lead to a reduced need for antibiotics to treat the bacteria within the environment.

HOW CAN ANTIMICROBIAL TECHNOLOGIES SUPPORT SUSTAINABILITY GOALS?

Extend material lifespan: - Products featuring antimicrobial technology can resist deterioration and degradation caused by microbial growth. This prolongs their lifespan and reduces the frequency of replacements or renovations. Fewer replacements mean less waste generation, reduced water and energy consumption, greater cost savings, improved building efficiencies and lower environmental impact.

DECREASE CHEMICAL DISINFECTANT USE:

Traditional cleaning and disinfection methods in healthcare facilities often involve the use of harsh chemical agents. Built-in antimicrobials can supplement these efforts, reducing the frequency and number of chemical disinfectants needed. Decreased use can lower the release of harmful chemicals into the environment and reduce their carbon footprint.

ENHANCE DURABILITY AND MAINTENANCE:

Surfaces with built-in antimicrobials are often easier to maintain due to their resistance to microbial growth. This can result in reduced water usage and fewer cleaning supplies required for upkeep. Streamlining maintenance practices contributes to resource conservation and savings.

LET'S BUILD A BRIGHTER FUTURE!

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IMPROVE ENERGY EFFICIENCY:

The integration of antimicrobial technology can lead to more efficient systems in healthcare facilities (i.e. HVAC systems, insulation). By controlling microbial growth on surfaces, these systems may require less energy to operate optimally. Improved energy efficiency contributes to reduced greenhouse gas emissions.

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