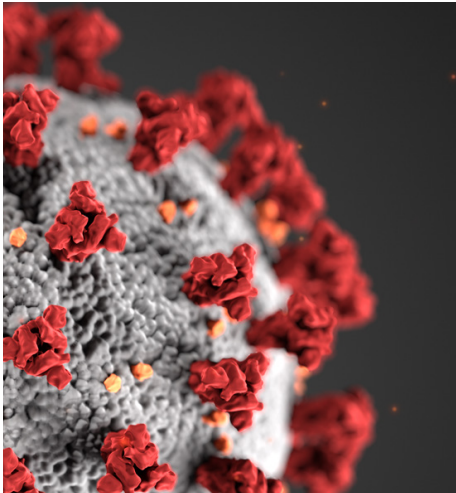




# Antimicrobial Finishes

*A look into how they work.*



Beyond social distancing and stay-at-home orders, **COVID-19** has changed the way we live. An acute awareness of germs is the new norm, and the safety precautions we have all taken to avoid them has ultimately led to a cultural shift in the way we live, work, and play.

## **There are growing demands to change the way we interact in all environments including commercial, retail and hospitality.**

The growing demand for cleaner and safer homes, schools, and businesses has created a greater interest in antimicrobial building materials, decor, and textiles. Lighting manufacturers are responding with enhanced antimicrobial finish options. Although no fixtures or finishes have been proven to specifically kill Corona Viruses, antimicrobial finishes can be a useful first line of defense against the spread of germs, bacteria, and other pathogens.

According to the CDC, more than two million people become ill with antibiotic-resistant infections each year. Most recently, MRSA (methicillin-resistant *Staphylococcus*

*aureus*) and CRE (carbapenem-resistant *Enterobacteriaceae*) have dominated headlines due to outbreaks and their exceptionally high mortality rates. The spread of these infections can occur through skin-to-skin or skin-to-surface contact. The risk of infection is more prominent in the healthcare setting where medical devices are some of the most common conduits. However, exposure to this same risk can also happen in many commercial and retail settings where lighting fixtures are exposed to the touch of patrons and staff.

The antimicrobial coating used by Kelvix uses an industry leading antimicrobial solution designed for lasting protection against microbial growth, promoting clean and safe product surfaces.



## Q | What is the antimicrobial demand within the lighting industry?

Design trends indicate that any surface that has some level of germ resistance will be more in-demand going forward. We expect this will remain at the forefront of designers' and clients' minds for the foreseeable future. With the increased interest and growing requests for antimicrobial paint finishes, several leading lighting manufacturers have added antimicrobial finishes as part of their standard finish options.

## Q | Why consider an antimicrobial finish?

With the plethora of sanitizing options, we have started using in the wake of COVID: sanitizers, disinfectants and sterilizers, these methods can still leave exposure to two critical germs.



Unfortunately, **MRSA (methicillin-resistant *Staphylococcus aureus*)** and **VRE (Vancomycin-Resistant *Enterococci*)** are resistant to traditional cleaning methods.

## Q | Are all antimicrobial finishes the same?

The Kelvix antimicrobial finish incorporates the power of copper and silver in a zeolite carrier, which can then be integrated into a broad spectrum of surface products. By leveraging copper and silver antimicrobial technology, it is designed to automatically release its antimicrobial components **ONLY** when conditions for bacteria growth are present. This capability results in the longest lasting protection against microbes.

## Sanitizers

Kills **99.99%**  
of bacteria  
in less  
than **2 hours**

**Must be  
re-applied**

## Disinfectants

Kills **100%** of  
bacteria, fungi,  
and viruses in less  
than **15 minutes**

**Must be  
re-applied**

## Sterilizers

Kills **all forms  
of microbial life**  
in less than  
**2 minutes**

**Must be  
re-applied**

By offering this special **TRIPLE ACTION MICROBIAL RESISTANCE** finish, manufacturers can offer customers an additional measure of protection. The use of antimicrobial finishes can help decrease the risk of germ transmission for installers handling products, as well as provide increased protection for potential exposure or physical contact with luminaires and control panels in retail settings or office environments.

Awareness is growing around naturally antibacterial materials, engineered antimicrobial products, and the hygienic benefits of low-maintenance surfaces. Reacting as the “smartest” antimicrobial in the industry, the Kelvix antimicrobial finish only activates when it needs to defend against microbes. This innovative approach provides the longest lasting protection for everything from textiles and apparel to water devices to medical devices to surfaces, and now a multitude of lighting fixtures.

Below are some popular Kelvix Lighting options with antimicrobial finishes that can be incorporated into any commercial, retail, and hospitality design to help make every application cleaner and easier to care for. The antimicrobial finish can also be applied to any of the Kelvix controls.

### Quix



### Unicab



### Fizzix



THE **SMARTEST** ANTIMICROBIAL ON THE MARKET. **PERIOD.**