

make EOS^{cu} part
of your infection
control team.....

ANTIMICROBIAL
Cupron Enhanced EOS Surface



always **working.**
always killing harmful bacteria.



 MADE IN THE USA

EPA Registered Antimicrobial Cupron Enhanced EOS Surface

- Continuously reduces bacterial* contamination, achieving 99.9% reduction within two hours of exposure.
- Kills greater than 99.9% Gram negative and Gram positive bacteria* within two hours of exposure.
- Kills greater than 99.9% of bacteria* within two hours of exposure and continues to kill 99% of bacteria even after repeated contamination.
- Inhibits the buildup and growth of bacteria* within two hours of exposure between cleaning and sanitizing steps.

What is Copper?

Copper is required by both plants and animals for survival. It naturally occurs around the world from the United States to Australia.

What is Cupron?

Cupron is a platform technology that utilizes the qualities of copper and integrates copper compounds into textiles, latex, and other polymeric products during manufacturing. These copper oxide-infused polymers are embedded into the material transforming it into an antimicrobial product that protects against microorganisms such as bacteria.

What is Cupron Enhanced EOS Surface?

Cupron Enhanced EOS Surfaces are a non-porous, fully tested surfacing material with all the inherent benefits of solid surface such as integral bowls and backsplashes and seamless applications with the added antimicrobial benefits of copper.

Independent laboratories have demonstrated Cupron's efficacy in killing greater than 99.9% of Gram negative and Gram positive bacteria* within two hours of exposure.



can **WE**
afford
not to?

*Testing demonstrates effective antibacterial activity against *Staphylococcus aureus*, *Enterobacter aerogenes*, Methicillin-Resistant *Staphylococcus aureus*, *Escherichia coli*, and *Pseudomonas aeruginosa*.

The use of Antimicrobial Cupron Enhanced EOS Surface is a supplement to and not a substitute for standard infection control practices; users must continue to follow all current infection control practices, including those practices related to cleaning and disinfection of environmental surfaces. The Antimicrobial Cupron Enhanced EOS Surface has been shown to reduce microbial contamination but it does not necessarily prevent cross contamination.

This product must not be waxed, painted, lacquered, varnished, or otherwise coated.

How does Cupron Enhanced EOS Work?

Since Egyptian times, copper has been known as a microbial killer. While the exact reasons for copper's negative effect on microbes are not fully known, it is generally agreed that copper ions cause a series of damaging effects on bacteria.

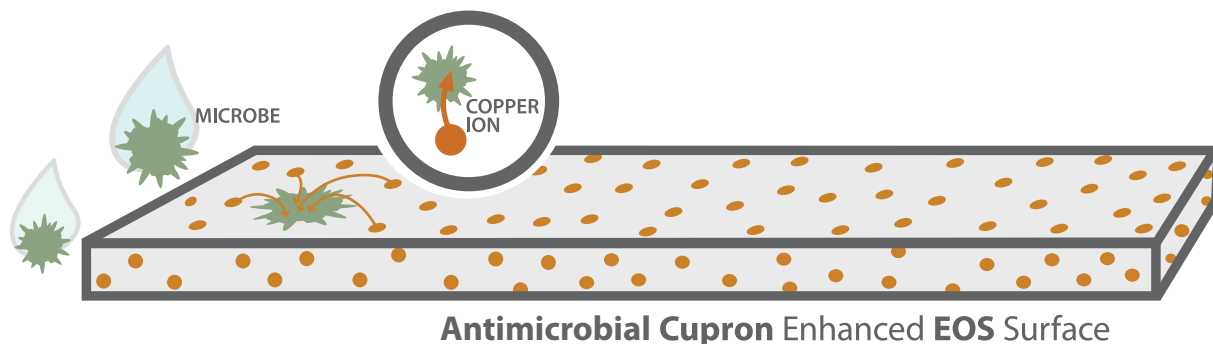
Common theories are that the copper causes leakage of potassium or glutamate through the cells' outer membrane; the copper disturbs the osmotic balance; the copper binds to proteins that do not require copper; and the copper causes oxidative stress by generating hydrogen peroxide.

Each sheet of Cupron Enhanced EOS is infused with Cupron technology on all exposed surfaces. Hence, no matter where the sheet is cut, or what part of the sheet is exposed, the technology is there to continuously sanitize and protect the surface.

Cupron is not a film or liquid chemical application. In fact, the Cupron particulate within the EOS slabs can actually be seen by the human eye. The mixture of the Cupron particulate into the EOS makes the power and effectiveness of the copper indefinite; it cannot be worn off or become less effective over time.

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always killing harmful bacteria.

EOS^{CU}
(CUPRON ENHANCED EOS)



THE SAFETY OF COPPER

Copper is an essential mineral that we have to ingest on a daily basis in order to survive. Humans metabolize copper extremely efficiently and the risk of copper toxicity is exceptionally low, especially due to dermal contact.

Ninety-five percent of the copper in the world is in the natural form of copper compounds that are the basis for Cupron's technology.

Cupron's technology has undergone extensive independent laboratory testing and has a long history of safe use. It is a non-leaching technology and Cupron Enhanced EOS Surfaces are non-leaching products.

There are no changes necessary to any production systems and no changes necessary for the consumer in using the product.

EPA Registered Antimicrobial Cupron Enhanced

Cupron Enhanced EOS provides all the features of a solid surface with the added defense of copper. It works by integrating the Cupron Technology directly into the EOS sheets at the time of manufacturing.

Cupron Enhanced EOS is the only **EPA registered polymeric solid** with the proven ability to:

- Continuously reduces bacterial* contamination, achieving 99.9% reduction within two hours of exposure.
- Kills greater than 99.9% Gram negative and Gram positive bacteria* within two hours of exposure.
- Kills greater than 99.9% of bacteria* within two hours of exposure and continues to kill 99% of bacteria even after repeated contamination
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EOS Surfaces

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EPA REGISTRATION NUMBER: 84542-7

PROTECTED

THE FACTS

Healthcare Associated Infection (HAIs):

- Patients admitted to the hospital have a 5% chance of contracting an HAI
- 1.7 million people per year get an infection during a hospital stay
- Length of stay in the hospital increases by 17.6 days if you get an HAI
- 9.4% of total inpatient costs are HAI-related
- HAIs cost the system \$35 billion per year
- HAIs cost the patient \$1,100 per year
- 69% of HAI affected people are on Medicare or Medicaid
- 90,000 people in the US die annually from HAIs

SOURCE: Klevens RM, Edwards JR, Richards CL Jr, Horan TC, Gaynes RP, et al. (2007) Estimating health care-associated infections and deaths in U.S. hospitals, 2002. Public Health Rep 122: 160-166.

Antimicrobial Cupron Enhanced EOS Surface...

Widely publicized statistics from the Centers for Disease Control and Prevention (CDC) estimate infections acquired in U.S. healthcare facilities affect two million individuals every year and result in approximately 90,000 deaths annually. The use of antimicrobial materials for frequently touched surfaces may be an effective supplement to existing CDC-prescribed hand-washing and disinfection regimens.

The EPA registration is based on independent laboratory testing using EPA-prescribed protocols that demonstrate the Cupron Enhanced EOS Surfaces' ability to kill specific disease-causing bacteria, including Methicillin-resistant *Staphylococcus aureus* (MRSA), *Staphylococcus aureus*, *Enterobacter aerogenes*, and *Escherichia coli*. MRSA is one of the most common strains of antibiotic-resistant bacteria and a well-recognized cause of healthcare associated infections.

Antimicrobial efficacy testing was performed on thousands of samples representing various environmental conditions, cleaning and polishing protocols, and different color characteristics. EOS Surfaces also performed extensive ASTM testing to support mechanical performance claims. Other testing is available upon request.

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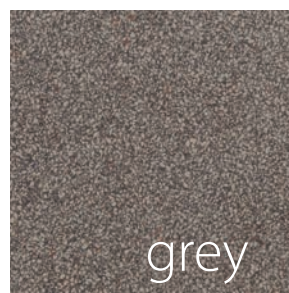
Uses of Cupron Enhanced EOS Surfaces

Unlike coatings or other material treatments, the antibacterial efficacy of **Cupron Enhanced EOS Surfaces** are durable, and since the Cupron copper materials are embedded throughout the materials, it can be fabricated (cut, drilled, etc), and modified as needed for a range of applications. The EOS materials can be provided as flat sheet or provided for curved or shaped applications such as foot boards, bed rails, and other hard to form applications. Molded products including vanities with integral bowls, shower pans, and job-specific, customized products are available.



Antimicrobial
Cupron Enhanced **EOS**

INTRODUCING



MADE IN THE USA

*Actual color shade may vary slightly from above sample images and from color lot to color lot



 **MADE IN THE USA**



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