



Antimicrobial Copper For **LIFE!**

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CUVERRO SHIELD™

by Aereus Technologies

Product Specifications & Attributes

PRODUCT CUVERRO SHIELD™ by AEREUS TECHNOLOGIES

Description	Antimicrobial Copper Solid Sanitizer Surface																		
Product Name	CuVerro I Antimicrobial Copper Alloy – EPA Reg. No. 85353-1, Health Canada PMRA Registration No. 31963 Pest Control Products Act																		
Synonyms	Antimicrobial Copper Alloys Group V, UNS Designations: C71520, C75200, C75700																		
Product Use	Antimicrobial Agent / Bactericidal Agent																		
Compositions	<table border="1"><thead><tr><th>CAS Number</th><th>Components</th><th>% By Weight</th></tr></thead><tbody><tr><td>7740-50-8</td><td>Copper</td><td>63.1 – 69.8</td></tr><tr><td>7740-02-0</td><td>Nickel</td><td>1.0 – 33.0</td></tr><tr><td>7740-66-6</td><td>Zinc</td><td>0.0 – 24.4</td></tr><tr><td>7439-96-5</td><td>Manganese</td><td>0.0 – 2.5</td></tr><tr><td>7439-89-6</td><td>Iron</td><td>0.0 – 2.3</td></tr></tbody></table>	CAS Number	Components	% By Weight	7740-50-8	Copper	63.1 – 69.8	7740-02-0	Nickel	1.0 – 33.0	7740-66-6	Zinc	0.0 – 24.4	7439-96-5	Manganese	0.0 – 2.5	7439-89-6	Iron	0.0 – 2.3
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Physical State	Solid Surface Layer																		
Application Method	Patented Thermal Fabrication (PTF) Process																		
Minimum Thickness	0.004" (≈100 μm)																		
Efficacy Lifespan	Permanent for the life of the fabrication																		
Colour	White Gold																		
Finishes	Raw Unpolished, Hand-Polished, Vibratory or Machine-Polished																		

PRODUCT IMAGES

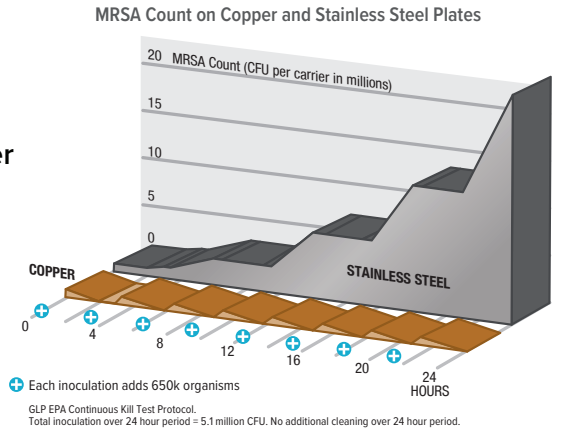


WHY AEREUS TECHNOLOGIES ANTIMICROBIAL SOLUTIONS?

Aereus Technologies' EPA-registered antimicrobial copper products are a highly versatile way to continuously fight bacteria*. Science suggests that antimicrobial copper surface contact kills bacteria* with a multi-faceted attack. Its thin, durable copper alloy layer can be applied to almost any solid surface.



CuVerro® Copper
continuously
kills bacteria
even after
recontamination



Antimicrobial copper never wears out



Continuously kills 99.9% of bacteria*



A solid metal solution



Visually appealing finish



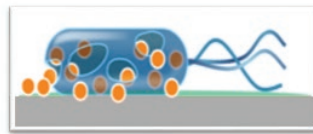
Does not use harmful chemicals

THE VERSATILE CHOICE

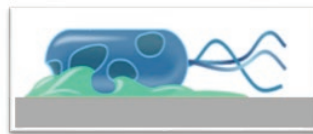
Easily apply the power of copper across multiple industries and products, everywhere potential infectious-bacteria exposure is a concern.



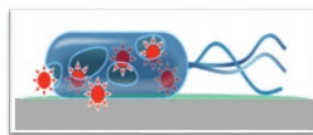
HOW COPPER KILLS BACTERIA



A Copper ions on the surface are recognized as an essential nutrient, and enter the cell



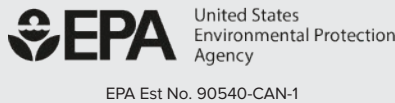
B A lethal dose of copper ions interferes with normal cell functions and membrane integrity



C Copper ions impede cell respiration/metabolism, sometimes causing DNA damage

Source: Drs. Grass, Keevil, Ransing, and Solioz courtesy of the Copper Development Association

Registered to make public health claims with both the EPA in the United States and Health Canada PMRA in Canada under Wieland North America, Inc. (CuVerro®/Olin Brass).



Contact us, we create value for our partners

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See our technology in action at
www.aereustech.com

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*Laboratory testing shows that, when cleaned regularly, CuVerro® surfaces kill greater than 99.9% of the following bacteria within 2 hours of exposure: Methicillin-Resistant Staphylococcus aureus (MRSA), Staphylococcus aureus, Enterobacter aerogenes, Pseudomonas aeruginosa, E. coli O157:H7, and Vancomycin-Resistant Enterococcus faecalis (VRE). The use of CuVerro® bactericidal copper products 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. This surface has been shown to reduce microbial contamination, but it does not necessarily prevent cross contamination. CuVerro® is a registered trademark of Wieland North America, Inc. and is used with permission. AE-0004-1809 For more information, visit www.cuverro.com