

Aereus Technologies Ltd. 45 Lewis Road Guelph, ON N1H 1E9 Canada

Antimicrobial Copper For LIFE! www.aereustech.com



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. 90540-1, Health Canada PMRA Registration No. 35262 Pest Control Products Act		
Synonyms	Antimicrobial Copper Alloys Group V, UNS Designations: C71520, C75200, C75700		
Product Use	Antimicrobial Agent / Bactericidal Agent		
Compositions	CAS Number	Components	% By Weight
	7740-50-8	Copper	63.1 – 69.8
	7740 02 0	Nickol	1.0 22.0

 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

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

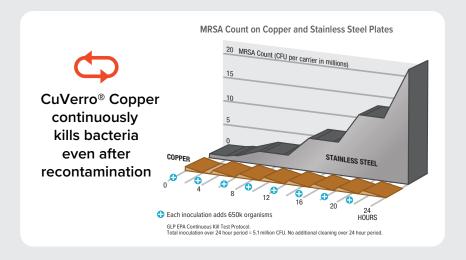
Colour White Gold

Finishes Raw Unpolished, Hand-Polished, Vibratory or Machine-Polished



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.





Antimicrobial copper never wears out



Continuously kills 99.9% of bacteria*



A solid metal solution



Visually appealing finish

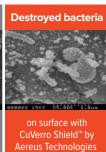


Does not use harmful chemicals

THE VERSATILE CHOICE

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





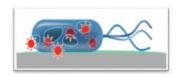
HOW COPPER KILLS BACTERIA



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



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



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

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

EPA and PMRA registered material is used in making CuVerro Shield by Aereus products



EPA Est No. 90540-1



Santé Canada Health Canada

PMRA Registration No. 35262 Pest Control Products Act



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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