

Copper: The Bacteria-Fighting Metal

Every day, high-touch surfaces present health risks to people in public spaces, and especially the most vulnerable in healthcare.

With naturally antimicrobial properties, copper can kill up to **99.9%** of bacteria on surfaces and slow the spread of diseases.

How Antimicrobial Copper Works:

Antimicrobial copper kills bacteria in three sequential steps.

Antimicrobial copper continuously kills bacteria, never wears out, and is safe to use.



Enters

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



Disrupts

Copper ions interfere with normal cell functions and membrane integrity.



Kills

When excess copper binds to the enzymes, the bacteria can no longer breathe, eat, digest or create energy.

Source: CuVerro, Copper Development Association

Copper Applications

Antimicrobial copper surfaces are well-suited for use in high-touch areas including public transportation, hospitals and healthcare facilities, educational and commercial office spaces.

Public Transportation

Hospitals and Healthcare Facilities



Copper is the only solid metal touch surface registered as a public health product by **Health Canada** and the **U.S. Environmental Protection Agency**.

Sources: VanEck, Teck, Copper Development Association, Washington Post, American Society for Microbiology (ASM)

As a major copper producer, Teck is committed to raising awareness and advocating for the use of copper as an innovative solution to reduce the spread of infections.

Presented by _____

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Learn more about copper's essential role in protecting public health.

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