

ANTIMICROBIAL COPPER FILM INSTALLATION SERVICE

PROTECT HIGH-TOUCH SURFACES



Elevator Panels



Touch Panels



Door Handles

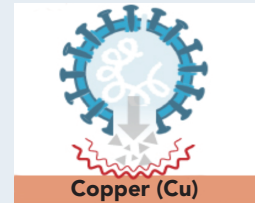
CHARACTERISTICS

- Inactivates COVID-19 as fast as an hour.
- Prevents microorganisms on the surface from reproducing and mutating.
- Does not require any additional disinfectant to be applied.
- Can easily be tailored and pasted to cover various high-touch surfaces like buttons, handles and touch panels.
- The film can be used almost permanently until it is damaged.
- Harmless to human and the environment.



HOW IT WORKS

Virus



- 1** Virus contacts the copper thinking it's a valid host.
- 2** Virus then opens its membrane and releases the RNA onto the copper surface.
- 3** The viral genome and structure of the viral particles are destroyed, inactivating the virus.

Bacteria



- 1** Bacteria recognizes the copper ion on the copper surface as an essential nutrient, so the bacteria absorbs it into the cell.
- 2** The infiltrated copper ion ruptures cell membrane, leading to loss of membrane potential and cytoplasmic content.
- 3** Copper ions induce the generation of reactive oxygen species, causing further cell damage.
- 4** Bacteria's genomic and plasmid DNA becomes degraded, leading to complete extinction.

For more information about this service,
please contact us.

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