

## **Knam Marketing launches novel antimicrobial copper film**

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**SGS certified anti-microbial copper film is approved by NABL India and the U.S. Environmental Protection Agency, and kills 99.9% of any virus in 5 minutes and aims to contain the COVID-19 spread**



Noida based Knam Marketing, an international trader providing the best recyclables from all over the world has recently launched an SGS certified anti-microbial copper film. The protective film can act as a shield for surfaces from getting contaminated by bacterial-attacks. Approved by NABL India and the US Environmental Protection Agency (USEPA), the 100% Korean product is ideal for preventing toxic viruses and bacteria from growing and transmitting to humans. It takes only 5 minutes to detect and deactivate almost 99.9% of the viruses. As these copper films adhesive sheets are low in maintenance, they can last for 2 years.

The anti-microbial and anti-inflammatory copper film is self-sterilizing, which means it can decontaminate itself.

How antimicrobial copper film works against the viruses:

- The bacteria identify the copper ion as a nutrient on the surface and absorbs it into its cell.
- The absorbed copper ion then penetrates the cell membrane of bacteria, leading to water and essential nutrients' loss from the cell.
- The absorbed copper ion sucks out all the other essential-for-living elements from the cell, like active and reactive oxygen species.
- With the loss of water, oxygen, and nutrients, the metabolic and respiratory activity of bacteria stops forcing it to die.

Some significant features that make the antimicrobial copper indispensable are; the strong anti-microbial properties of copper, which remain active until the film lasts; the film can be easily used to cover any desired surface and it will start exterminating the virus; and, its natural antibiotic properties make it harmless for humans and the environment.