

## Hydraguard Plus to replace disinfectants during pandemic

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**The nanotechnology-based antimicrobial coating is one of the sustainable alternatives of chemically rich disinfectants**



Advanced NanoTech Lab, a specialty chemical manufacturer from Mumbai, has developed a durable antimicrobial nano coating branded as 'Hydraguard Plus' that lasts up to 90 days and can be extended up to 365 days.

Antimicrobial coatings became the need of the hour to protect the surfaces and build structures from the virus. The antimicrobial coating has gained more relevance during the current time because of its safeguard and various other functions such as detection of coronavirus. Antimicrobials are generally understood to be chemical substances. Antimicrobial active substances also include ionizing radiation or technically produced surface structures.

The antimicrobial coating is the best possible alternative to these chemically hazardous disinfectants to deal with the rapidly growing problem. Generally, the nanotechnology-based antimicrobial coating is very competent in killing bacteria and viruses. This technology is usually supported by different metal ions such as silver, gold, and other halides, etc. These ions can get attached to the film of cells and intervene with bacterial biotransformation to build pathogen-free surfaces.

The nanotechnology-based antimicrobial coating is one of the sustainable alternatives of chemically rich disinfectants.

HYDRAGUARD PLUS is a durable antimicrobial coating system that is non-toxic, transparent, nano-leaching, self-curing system, and its rare non-migrating technology works 24/7 to constrain bacteria's growth fungi, algae, infection on surfaces like glass, metal, plastic, stones, ceramic, etc. Even after 90 days, it can last without running thin its antiviral potency. It can kill 99.99 % of bacteria and viruses like E-bola, MS2, and many more for 90 days making disinfectants obsolete.