



**HYDRA
GUARD+**



Hydra Guard+

Permanent Antimicrobial Coating

Effective on Coronavirus



KEY FEATURES OF **HYDRAGUARD PLUS**

Effective against SARS-CoV-2



Nano coating that forms semi-permanent bonds with any surface



Completely Odorless



Non-Toxic EPA registered technology



Non-Leaching and Non-Corrosive technology



Certified to kill Bacteria and Virus from Government recognized laboratory



No need for disinfectants upto 90 days in single application



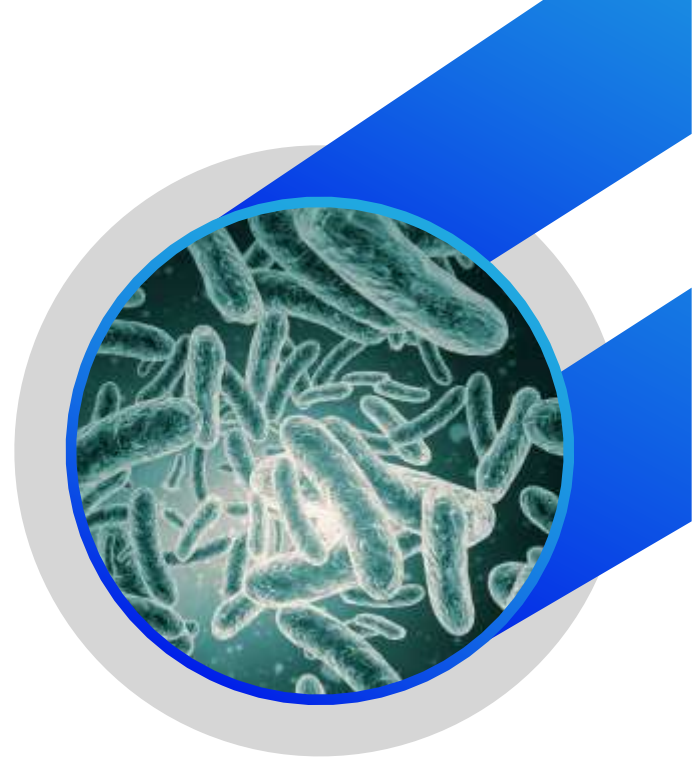
Does not rub off & migrate into the skin



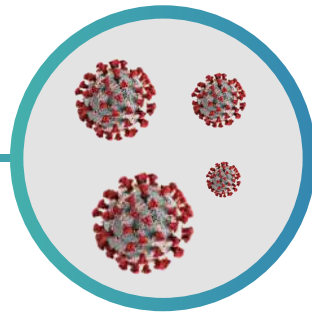
Free from Halogens and Heavy Metals

WHAT ARE MICROORGANISMS?

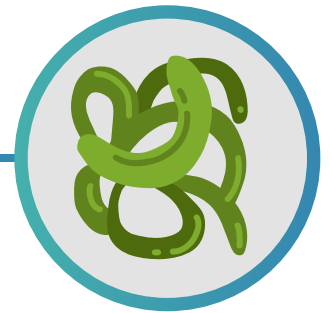
Microorganism Is A Single Celled Organisms, Which Are Not Visible With Naked Eye.



Bacteria



Virus

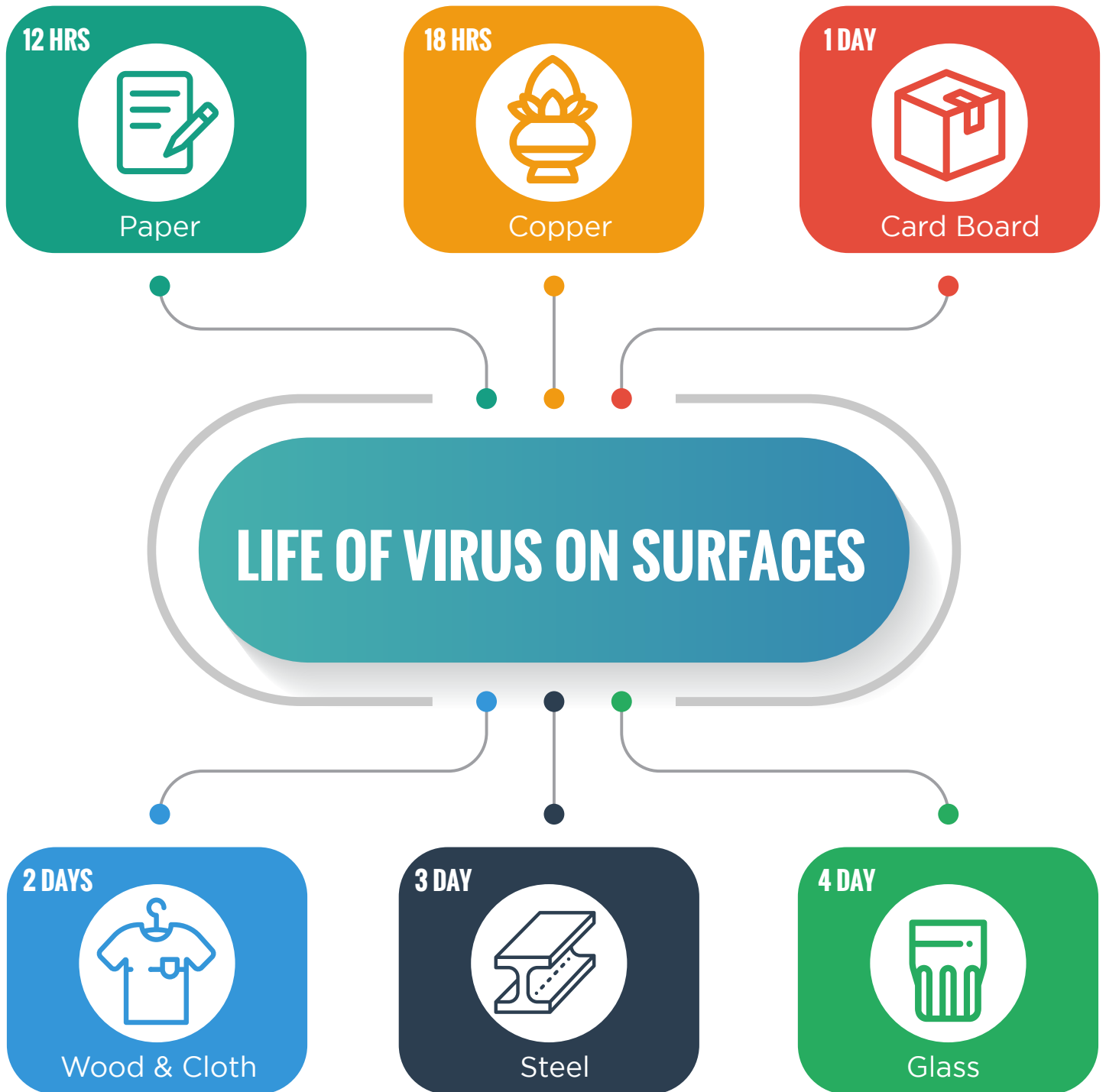
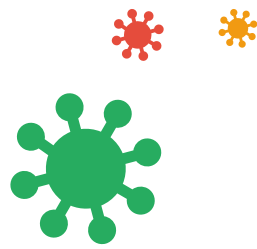


Fungi

HOW DOES THESE MICROORGANISM SURVIVE ?

- Just Like Humans.
- They Too Have Basic Needs To Survive Water.
- Nutrients.
- Temperature And A Good Surface Containing It.

LIFE OF VIRUS ON MULTIPLE SURFACE





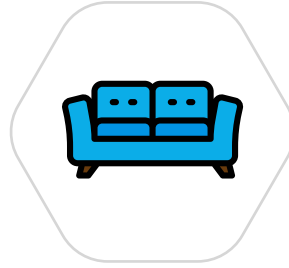
FREQUENTLY TOUCHED SURFACE



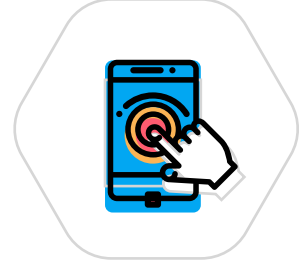
Car Steering



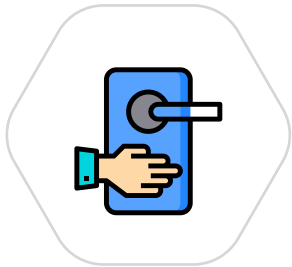
Lift



Furniture



Touch Screen



Door Handle



Bathroom Tap



Railing

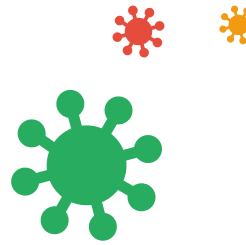


Office table

SOME FACTS YOU MIGHT NOT KNOW

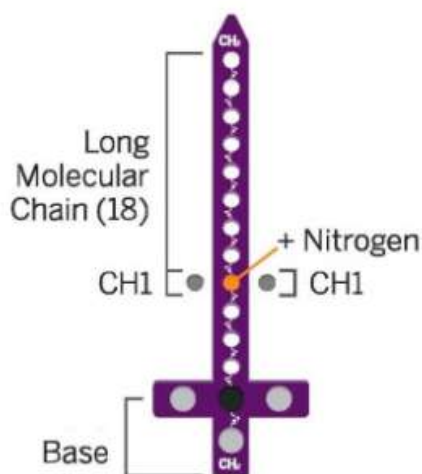
- A Normal Dish Cloth Can Harbor More Than 20,868 Bacteria Per Square Centimeter.
- 400 More Bacteria Were Identified On Computer Keyboards Than On A Toilet Seat. Cell Phones Carry Over 3,895 Bacteria Per Square Centimeter.
- A Study Found Rhino Viruses (Causes Of The Common Cold) On 63% Of Gym Equipment. Even Worse, The Study Confirmed That Disinfecting The Equipment Twice A Day Didn't Do Anything To Lower The Virus Count.
- A Study Which Questioned 7000 People In Nine Countries Revealed That One In Ten People Admitted Avoiding Public Transport Because Of Worries Over Cleanliness And General Hygiene Levels

HOW DOES HYDRAGUARD PLUS WORKS

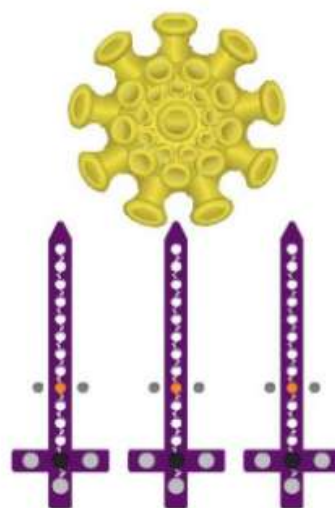


- It a unique nano chemistry that forms a covalent bond with the surface at molecular level and lasts long.
- It forms Nano Spikes (Needles) which penetrate the virus or bacteria on contact .
- Nano needles physically rupture the virus surface .These needles are not visible to naked eye and not harmful to humans or animals.
- Due to the permanent bond, the treated surface is protected without any need for application again eliminating the use of 'disinfectants' .

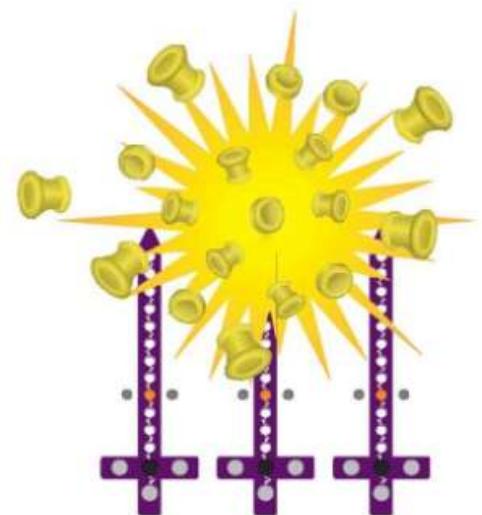
How do we visualize a hydraguard plus coated surface ?



Molecule with long, pointed chain of atoms

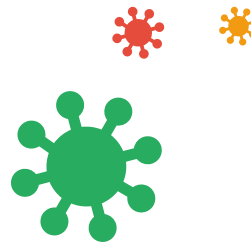


Microbe landing on a microscopic bed of spikes



Destruction of the microbe

HOW TO APPLY HYDRAGUARD PLUS



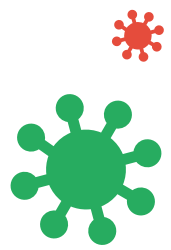
Non absorbent surfaces (Metal , Plastic , Glass)



HYDRAGUARD PLUS CERTIFICATIONS

- ISO 22196 by INTERTEK LAB for ANTIBACTERIAL Efficacy
- ISO 21702 by BTS LAB for ANTI VIRAL Efficacy
- 200 WIPES abrasion and then test by BTS LAB for Anti Viral Efficacy
- Weatherometer tests for abrasion of 90 days and AntiViral Test for SARS-CoV-2
- ISO 18184 for ANTIVIRAL EFFICACY AGAINST SARS- CoV-2
- Cytotoxicity Test by BTS Labs

HYDRAGUARD PLUS SURFACE EVALUATION



Adenosine Triphosphate, or ATP, is the energy molecule found in all living things, making it a perfect indicator when trying to determine if a surface is clean or not. Companies use ATP systems to rapidly verify surfaces have been cleaned thoroughly in food manufacturing and healthcare applications, and to ensure that biofilms are not developing on the surface that could affect quality.

With an ATP monitoring system, ATP is brought into contact with machine's unique liquid-stable reagent in the test device. Light is then emitted in direct proportion to the amount of ATP present in the sample, providing information on the level of contamination in seconds. Below we can see Swab readings for Coated and Uncoated Surface .





HYDRAGUARD PLUS APPLICATIONS



Offices



Factories



Play Areas



Schools



Train



Buses



Cars



Metro



Banks



ATMs



Media Vehicles



Airports



Food Delivery



Ambulances



Elevators



Planes



Advanced Nanotech Lab Specializes In The Research, Development & Manufacturing Of Innovative Nanocoatings With Multi-functional Properties For Different Kinds Of Surfaces From State Of The Art Laboratory Near Mumbai Since 2015

**HYDRA
GUARD+**

**Our Clients
For Various Products**

