



Winone

# Biozone

Nano Engineered Anti-microbial  
Surface Coating



**WINONE**  
Product Technologies



[www.winone.com](http://www.winone.com)



## The Problems Being Faced

Viruses can stay active on surfaces up to 9 days. This can lead the viruses to travel along with anyone who touch the surface.

Ethanol, Iso Propanol, Formaldehyde etc are effective but it is impossible to disinfect continuously.

Even with alcohol based disinfectants, disinfection has to be done continuously and repetitively.

Winone Biozone overcomes the need to disinfect every hour (Like to have a long lasting and permanent solution)

## Need Solution ?

An unconventional approach

The problem is related to health, but the **solution**

**Need Not Be  
Medicine**

# WINONE BIOZONE

# Why Winone Biozone

More than 80% of infections are passed on by touching virus and bacteria-laden surfaces.

WINONE BIOZONE is a Nano engineered Anti Microbial coating for high-touch surfaces in public and other places that stays active on the surface for a period of up to 3 months\* and more.

We have created WINONE BIOZONE to protect and self-sanitize this highly touch surfaces and thus protect ourselves.

## How Winone Biozone Works ?

Nano-particles delivered to bacteria promotes cytolysis, by which cells break down and ultimately die.



The nanoparticles released by Winone Biozone will destabilize the cell membrane, wall, and plasma. Causing them to break down.

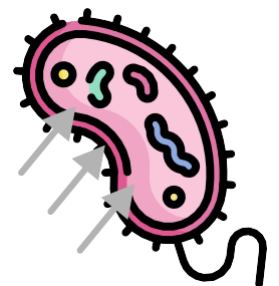


This will stop the cell from replicating and multiplying and eventually suffocates it to death.



Antibiotics can only attack one side. Bacteria can adapt to this one side attack and develop resistance

However, Nano-particles attack everywhere around the bacteria cell wall so that the bacteria cannot adapt and develop resistance



# BIOZONE



## Winone Biozone

Nano + engineered defence against deadly microbes. A clear **non leaching, non migratory** invisible micro shield against microbial growth on surfaces.

Bio - Clean

Bio - Safe

Bio - Secure

Nano + Tech

## ElectroCharged

+ Fence against microbes

Making surfaces self sanitizing, self disinfecting and stops infection spread by surface touches

## Special features of WINONE BIOZONE



Easy to apply  
Easy to store  
Easy to transport.



Super antibacterial  
properties. Kills  
99.9% pathogens.



Shields the surface  
from pathogens  
for 90+ days.



Uses Nano engineered  
materials which are  
recognised and safe  
to use by the US EPA.



No health hazards,  
as coating contains  
>98% water.



Can be used on metal,  
plastic, wooden,  
concrete on multiple  
surfaces.



**Nano Engineered Coating :**

Acts with microbes in more than one ways, unlike other agents.

**Powerful Interaction with Microbes :**

Size of pathogens is in the range of few microns. While coatings' Nano particles are way smaller than that and so that it interact well.

**Release of antimicrobial Ions :**

Positively charged ions exert antimicrobial activity in aqueous solution, or when in contact with water, which contributes to the elimination of bacteria.

**Multi Surface Application :**

Can be applied on any porous, non porous and hard and soft surfaces .Long lasting and Strong covalent bond on any surface.

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## Scientific Validity

The product has been successfully tested as per JIS Z 2801:2012 for antibacterial efficacy for 99.9% killing of microbes. It also complies with hard surfaces & soft surfaces.

However there are a number of citations in the scientific literature showing that nano-particles formulated with synergetic chemistry with more advanced Nano technology ingredients can be used as a very effective antiviral agent.

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**Fitness centers**



**School & colleges**



**Airports**



**Malls & restaurants**



**Hospitals & Medicals**



**Railways & Metro**



**Office**



**Supermarket**



**Home**

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# How to apply Winone Biozone

The Coating can be applied using a spray gun in case the area to be applied is small; for domestic applications. The coating can also be applied using a roller, brush but it is better to apply with a Electrostatic Spray Gun to get best results as more advance technique.

**Mode of Application**      **Rolling | Soaking | Spraying | Fogging | Dipping | Brushing**

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Reduces the risk of contacting microbial infections.

Makes one fall less sick

Reduces the consumption & over consumption of Disinfectant and antibiotics

**Thus WINONE BIOZONE is one way to deal with Antimicrobial resistance.**

The way WINONE BIOZONE acts on Bacteria and Viruses is different from that of antibiotics. Hence, it is able to act against antibiotic resistant bacteria.



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## **WINONE BIOZONE** Bio Security Solutions for all.

We offer complete anti-microbial coating solutions for safe,secure and sustainable "**Germfree Safe Living Green Zones**"

Specially designed for various sectors and industries as **complete bio security package.**

Which will increases confidence in customers and employees. And make safe ,secure and sustainable business and working environment.

## Disclaimer

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We focus on solving pain area of the Industry, and make tailor made solutions for absolutely any problems. Contact us to gain advantage of our expertise in Coatings and Performance enhancing Nano-technology.

LEVERAGE OUR EXPERTISE . . .

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