

Green Glory Technologies

Green Glory Product Offering

Microbial Ingress
Prevention and
Sterilization Solution

99+%
Effectiveness
from Virus and
Bacteria
Ingress

Nano SuperHygiene

Constant Sterilization
Solution for Public Transport
and Building Infrastructure
System

Protection against all kind of
Bacteria, Fungi and Viruses

AVOIDING GERMS IN BUILDINGS OR PUBLIC TRANSPORTATION

Exposure to airborne biological hazards in an ever expanding urban transport and building infrastructure and highly diverse mobile population is of growing concern, in terms of both public health and bio security.

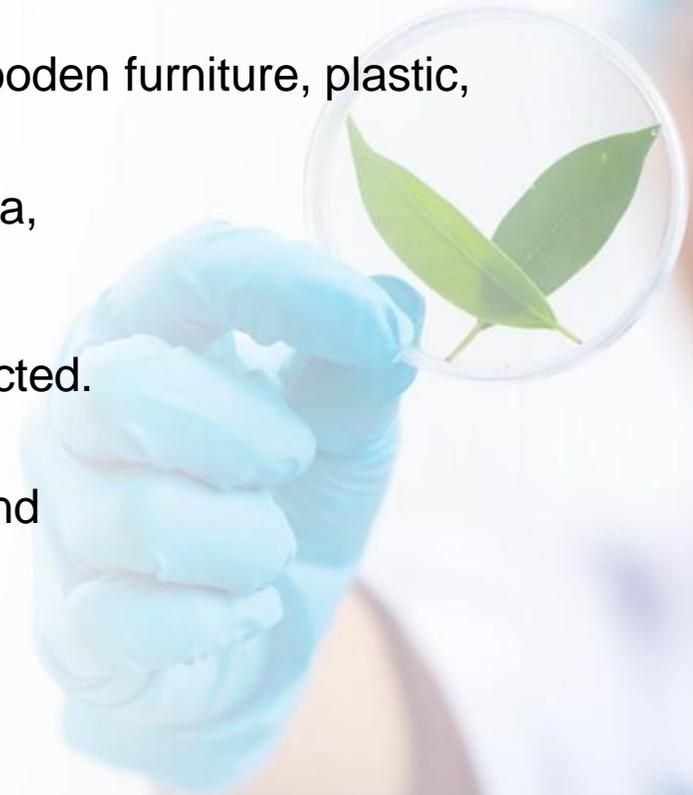
The existing policies and practices on design, construction and operation of these infrastructures may have severe implications for airborne disease transmission, particularly, in the event of a pandemic or intentional release of biological of agents

Manual and daily sterilization process is too time consuming and costly affair.



PROPOSED SOLUTION

- ☞ A **Nano technology** transparent coating solution, a permanent sterilizer for transport and Building infrastructure system.
- ☞ Coat the ceiling, backside of seats, poles, handles, glasses, walls, wooden furniture, plastic, Ceramic tiles with **Nano Water Based Super Hygiene Coatings**.
- ☞ Coated surfaces with presence nano alloy matrix do not allow Bacteria, Viruses and fungal infection to live and grow on coated surfaces.
- ☞ Kills S. Aurus, E.Coli, MRAS and other bacteria as per BS test conducted.
- ☞ Nano Coating of this type is non toxic, non allergic, non cumulative and completely safe for nature and human being.
- ☞ Does constant reaction and oxidation of all micro organism.
- ☞ No need to do daily sterilization once coated and works for many months.
- ☞ The product is of export quality and already being used by many countries.



APPLICATION AND TECHNICAL DATA

Nano Super Hygiene is currently applied as a mist, by spray gun, with a 0,3 mm nozzle and low pressure. Creation of drops, or product accumulation, should be avoided.

Surfaces must be clean and dry. A single application of 100-150 gr /m² is recommended.

Nano Super Hygiene doesn't form a film. Is applied on Coated Surfaces, Natural stone, Marble, Ceramics, Concrete, etc... Once applied, it develops adherence during the initial days.



1. Waterborne dispersion for the reduction of pollutants

2. No flammable. Waterborne

3. Translucent/ invisible once applied

4. Appearance: low viscosity milky liquid/Transparent

5. Density 1.1 kg/l

06 Does not create a film

07 Yield: around 8 m²/lt. once applied by spray gun

08 Application temperature: between 5°C and 35°C

09 Protect from frost.

TECHNOLOGY

- › A **Nanotechnology** Implemented water based clear coat is durable, highly water repellent, UV resistant, fungus/ algae/ bacteria resistant.
- › **Nano Super Hygiene** coatings has nano alloy matrix material which acts as a constant sterilizer once applied.
- › **Hydroxyl Radical:** often referred to as the "detergent" of the atmosphere because it reacts with many pollutants, decomposing them through "cracking", often acting as the first step to their removal. It also has an important role in eliminating some greenhouse gases.
- › **Proxy Radicals:** as active as the ozone, they are the precursors of hydrogen peroxide, one of the most important disinfectants, capable of destroying both bacteria and viruses or fungi.
- › When this agent is used to coat interior walls, harmful substances (VOCs) and diverse germs (influenza, mould, E. coli, Staphylococcus aureus, Salmonella, PPA, PPC, PRSS, SARS, MRSA, H1NI and others) that cause the "Sick Building Syndrome" are degraded and rendered harmless.



BIOLOGICAL REFERENCE

- » The destructive action of hydroxyl radicals has been implicated in several neurological autoimmune diseases such as HAND when immune cells become over-activated and toxic to neighboring healthy cells
- » The hydroxyl radical can damage virtually all types of macromolecules: carbohydrates, nucleic acids (mutations), lipids (lipid peroxidation), and amino acids (e.g. conversion of Phe to m-Tyrosine and o-Tyrosine).
- » The hydroxyl radical has a very short in vivo half-life of approximately 10^{-9} seconds and a high reactivity. This makes it a very dangerous compound to the all kind of organism like bacteria and viruses.
- » Unlike superoxide, which can be detoxified by superoxide dismutase, the hydroxyl radical cannot be eliminated by an enzymatic reaction



For your Enquires

Contact: Mr. Karthikeyan J - +91-99400 73280 / 98408 88241
Mr. Karthick C - +91-86800 18666 / 98402 98093
Mr. Thulasiraman - +91-86800 95554 / 98419 53680
Mr. Balaji V - +91-86800 03707
Mr. Vetrivendan - +91-70920 89007
Mr. Mahesh Kumar S - +91-7092430530

You can also write to us : sales@greenglorytechnologies.com

GREEN GLORY TECHNOLOGIES,

522, 2nd Floor, Anna nagar 3rd Avenue, NSK Nagar, Chennai – 600 106.

Ph: +91-44-42645835, 2626 2280

Email: info@greenglorytechnologies.com

