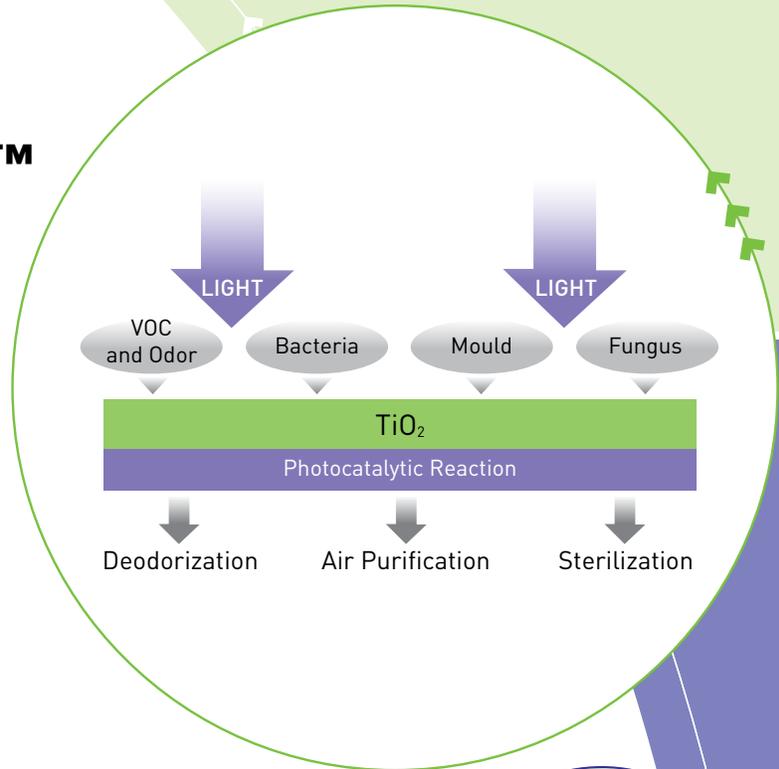


GREEN EARTH NANO SCIENCE INC.

GENS NANO™

SELF-SANITIZING GREEN COATING

- Anti-bacterial & anti-mould
- Decontamination action 24/7 - 365 days/year
- Improvement of indoor air quality
- Natural mineral and water based
- Transparent, environmentally friendly
- CFIA Registered

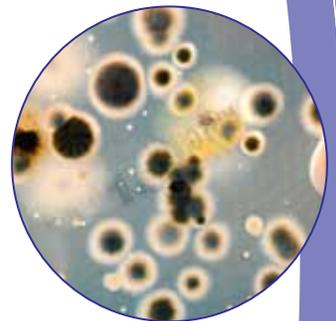


Photocatalyst Technology for Permanent Decontamination of Building Interiors

Technology and application is simple; transparent coating, based on water solvent with near zero VOC and natural mineral titanium dioxide, already used for 30 years as a food additive is sprayed on almost all surfaces to create permanent, anti-bacterial, anti-mould, transparent thin film. **GENS NANO™** photocatalyst coating is activated by light and produces strong oxidative property on its surface, which removes harmful organic chemical substances or bacteria, mould touching onto the surface. With this principle, photocatalyst coating is utilized in many applications for environmental purification in a green pure manner without harsh or toxic chemicals. **GENS NANO™** self-sanitizing coating solution, certified by Canadian Food Inspection Agency has already been widely used globally in food, hospital and hospitality industry. Main objective is to create a permanent bio decontamination natural shield that is environment friendly and capable of permanent air and surface bio decontamination.

Any disinfection done today protects surfaces only for few minutes or few hours.

Installation of advanced self-sanitizing coating technology protects building's interior such as walls, ceilings and other treated surfaces for few years depending on surface type and treated areas. Once coated, surface remains self-sanitizing provided that enough light is present to activate photo catalytic effect of titanium dioxide.



Bacteria decomposition tests for GENS NANO™ TiO₂ coating*

	The Inoculums Count of "0" hour (cfu/piece)	The Inoculums Count after "24" hour (cfu/piece)	Bactericidal rate (%)
Escherichia coli	3.9 x 10 ⁴	9.0 x 10 ²	97.69
Staphylococcus aureus	6.8 x 10 ³	1.1 x 10 ²	98.38
Pseudomonas aeruginosa	2.8 x 10 ⁵	84	99.97
Klebsiella pneumoniae	2.7 x 10 ⁵	1.5 x 10 ³	99.44
L. monocytogenes	2.8 x 10 ⁵	190	99.93

*Coated surface was irradiated by 40 W fluorescent lamps during testing.

GENS NANO™ photocatalyst coating technology is an environment friendly and unique solutions for sustainable surface sanitization and long lasting protection from bacteria, virus or mould bio contamination risk.

GENS NANO™ Self-Sanitizing Coating

Features:

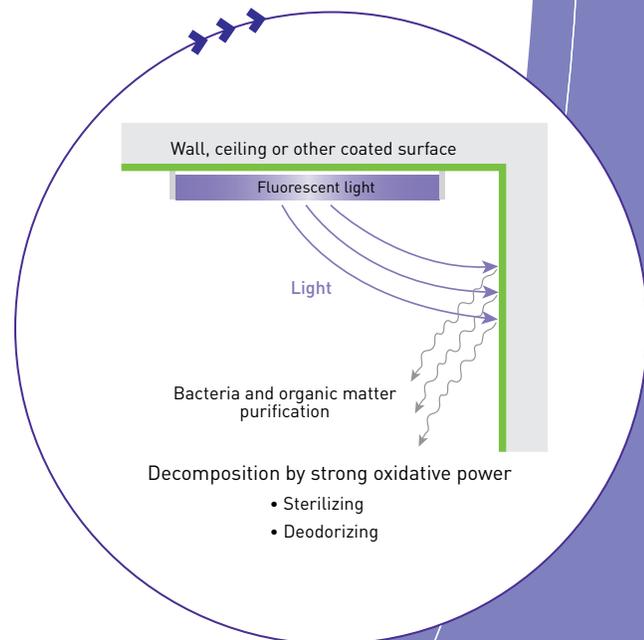
- Powered by light, works with UV, natural and fluorescent light
- High performance and long lasting effect
- Decomposition of germ body and endotoxin
- Environment friendly and harmless to human beings and animals
- Approved by Canadian Food Inspection Agency

Environmental benefits:

- Improves indoor air quality
- Reduces surface bio-contamination risk
- Reduces toxic chemical use
- Reduces cleaning and disinfection process time

Economic benefits:

- Reduces food contamination risk
- Enhances asset value and company profits
- Optimizes sanitization process



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