



MediShield®

Nano Photocatalytic Anti-Microbial
Bio-Sustainable Paint and Coatings.

PREMIER'S AWARD FOR
AGRI-FOOD INNOVATION EXCELLENCE

Award Recipient



MedShield® is a one-step wall coating paint system designed and developed to provide high-tech, anti-microbial, smart, healthy and safe internal building environments.

MediShield® utilizes the latest high tech nano photocatalytic additives. Surfaces that are coated using MediShield® are anti-bacterial, air-purifying, water-resistant, mold-resistant and extremely durable

MediShield® Coatings are for interior use in Hospitals, Health Facilities, Food Industries, Restaurants, Airports, Penitentiaries, Schools, Government Facilities, Offices, Commercial Buildings, Washrooms, Public Areas, Private Homes and more.

For more info visit www.SoyaOilCoatings.com

1 Anti-Microbial Properties

Photocatalytic nano particles activate when exposed to UV lighting. The nano photocatalyst generates oxygen protons that instantly destroy any form of bacteria/virus that come into contact with the coated surface. All protons remain contained within the surface of the nano photocatalyst, making this technology completely safe for humans, animals and the environment.

2 Easy Application

MediShield® Coatings use an all-in-one process that utilizes built in nano-based antimicrobial technology; making your steps to protection as easy as painting.

3 Maximun Protection & Durability

MediShield® SoyaOil® paint technology dries to a hard enamel finish that is scrubbable, heat, steam & chemical resistant, even power washable. MediShield® is ideal for high traffic areas and sanitary area wash down.

4 Zero VOC and Bio-Based

MediShield® is zero VOC, low-odour and bio-based. 98% of the ingredients used to formulate MediShield® Coatings come from plant based ingredients and natural minerals. To find out more on this award winning paint technology head over to www.SoyaOilCoatings.com



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How does MediShield® work?

Painting using MediShield® for applicators is easy, apply 1-2 coatings (as needed) to any interior substrate. Application is a one step process with no need for any additional steps or specialized primer or topcoat. Once the painted surface cures (24 hours) the nano photocatalytic technology properties activate and the surface is protected.

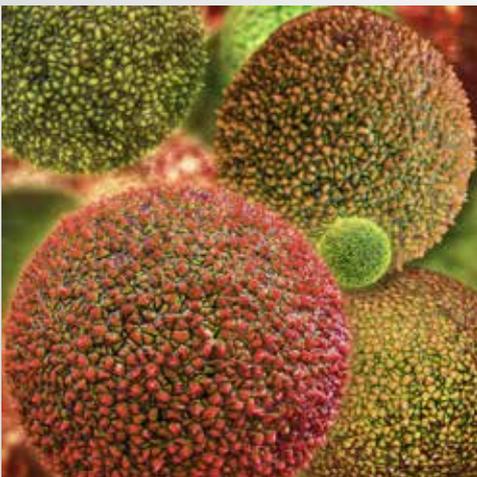
Photocatalytic properties react when UV light (high or low rate) hits the surface of the coating. The UV light agitates the nano based particles creating a photocatalytic reaction mode that results in the eradication of any form of bacterial and viral organisms. Bacteria and viruses that come into contact with surfaces coated with MediShield® Coatings are completely destroyed by the eradication process, resulting in a highly versatile anti-microbial coating system.

The photocatalytic properties of MediShield® also improve indoor air quality by elimination of organic odours (smells from organisms such as smoke, pet odours, cooking and any other organic based odours). Allergy risk is therefore reduced significantly through this air purification process.

Where can I use MediShield®?

MediShield® can be used in a wide variety of areas including but not limited to:

- ✔ Hospitals / Medical
- ✔ Health Facilities
- ✔ Surgery Rooms
- ✔ Food Processing Areas
- ✔ Food Preparation Areas
- ✔ Restaurants
- ✔ Public Areas
- ✔ Airports
- ✔ Penitentiaries
- ✔ Schools
- ✔ Washrooms
- ✔ Commercial Spaces
- ✔ Government Facilities
- ✔ Animal Hospitals & Kennels



Photocatalytic Anti-Microbial Properties

MediShield® coated surfaces will stay protected and contain anti-microbial properties for as long as the paint stays in good standing with the surface it adheres to. The nano photocatalytic properties eliminate organisms that come into contact with the coated surface. The process of elimination destroys the organism entirely leaving the coated surface fresh and ready to continue providing protection to the indoor environment. This results in extremely long lasting protection, that is self contained and will not be harmful to humans, animals or the environment.

MediShield® Coatings cover a broad spectrum of anti bacterial and anti viral characteristics. Surfaces coated with MediShield® will eliminate almost all types of bacteria and viruses that come into contact with coated surfaces including the development of 'superbugs' such as MRSA, SARS, H5N1.

Photocatalytic properties provide additional benefits including deodorization and improved indoor air quality by controlling and reducing the amount of airborne allergens.

Anti-microbial properties stop mold growth in high humidity areas. The anti-microbial properties of MediShield® reduce the required amount of cleaning and sterilization processes for high risk areas.

Award Winning Paint Technology

MediShield® utilizes award winning advanced SoyaOil® paint technology that combines the performance advantages of oil based paint chemistries with the convenience of solvent-free waterborne coatings.

All ingredients used in manufacturing MediShield® come from bio-based and mineral-based sources making the paint system zero VOC, bio-renewable, and 98% bio and mineral based.

Some of the benefits of MediShield® SoyaOil® coatings are durability, high scrub-ability, resistance to humidity and mold growth, hot water, steam sterilization and more. MediShield® Coatings can be applied directly over plastic, vinyl, drywall, plasters, wood, fibreglass, metals (ferrous or non-ferrous) and any pre-existing petro chemical mineral oil coating, with no specialised surface preparation.

MediShield® Coatings is available in 3 different tint bases, providing a range of over 2000+ zero VOC colours. MediShield® offers 4 different sheen levels; matte, eggshell, semi-gloss and gloss. MediShield® produces one of the highest gloss finishes in the coatings industry; a 92 degree gloss with a VOC rating of 0g per litre.

For more info visit www.SoyaOilCoatings.com 



Manufactured and Developed in Canada

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