

MAPS

MOLD ABATEMENT POLYMER SYSTEM

**A unique and powerful bactericide,
virucide, fungicide and disinfectant**



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MOLD TREATMENT DIVISION

MyPMSI.com

Family Owned and Operated for Over 20 Years!



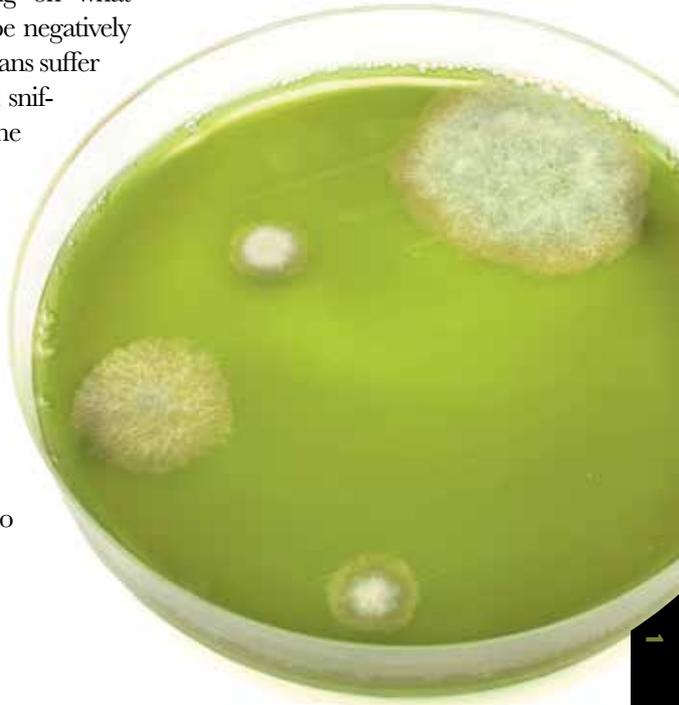
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What You Should Know About Mold

Mold is a problem that affects millions of Americans, but also a problem that very few people know about. The health risks that mold create can be severe, and it is important that a mold problem is treated as early as possible. Often times, people don't know they have a mold problem until they are very sick. There are many types of toxins that can come from mold, some being dangerous enough to cause health problems such as chronic bronchitis, mental deficiencies, multiple sclerosis, lupus, arthritis, bleeding lungs, and many more. Many people believe that mold can only affect you if you have a mold allergy; however, depending on what type of mold, anyone can be negatively affected. Millions of Americans suffer from constant sneezing and sniffing but don't realize that the cause is the mold in their homes. Long-term exposure to mold can also create symptoms such as memory and hearing loss, acid reflux, breathing difficulties, and dizziness. It is very important to get mold treated immediately to prevent these symptoms from turning into something more serious.

People are also misinformed on where mold can grow. Any place with a moisture source is an area for mold to grow. This means basements, bathrooms, kitchens, mattresses, rooms with humidifiers... everywhere! Even worse is the mold that grows in areas you cannot see. Many mold cases are found in wall cavities and flooring in homes, feeding on wood or plasterboard. Any type of water damage can cause mold, so it is important to keep your home as dry and clean as possible. Mold can also feed off any organic source, such as dirt, skin cells, and oil. This makes it possible for mold to grow on glass, cookware, stainless steel, and other surfaces that you would not expect. There are xerophillic molds (able to grow under dry conditions) and xerotolerant molds (able to grow in moist conditions). Both of these molds are easily spreadable and hazardous to your health.





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MAPS What is it?

- ▶ **MAPS** is a two part system used to control bacteria by cleaning, killing and preventing their return to treated areas.
- ▶ **MAPS1** is an EPA registered, multi-purpose, anti-microbial, based in quaternary ammonium salts. It is a bactericide, virucide, disinfectant, fungicide, cleaner, mildew stat and deodorizer.
- ▶ **MAPS2** is our unique, proprietary, patented sealer.
- ▶ This unique combination of ingredients significantly enhances the system's capabilities, making it extremely safe, effective, and economical.

MAPS Benefits

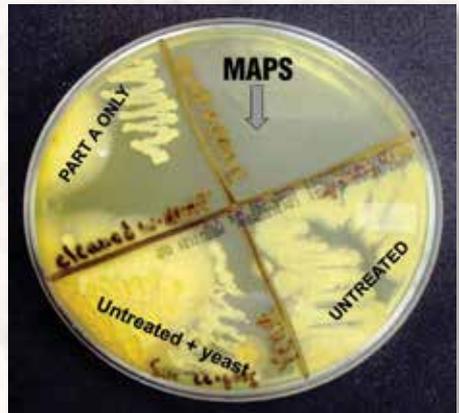
- ▶ Kills mold, mildew and fungi, and prevents their return.
- ▶ Kills a wide range of bacteria, and viruses, such as: resistant strains of Ecoli, MRSA, Salmonella enterica, RSV, Herpes Simplex Type 1 and 2 and Hepatitis B and C.
- ▶ Easy to apply
- ▶ Long Lasting and backed by a manufacturer's warranty
- ▶ Non-staining and can be used on both porous and non-porous surfaces



How Effective is MAPS?

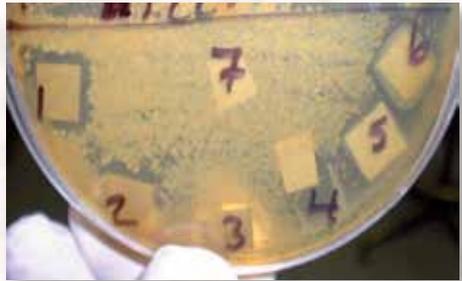
Third-party testing by NAMSA (North American Science Association, Inc., Kennesaw, GA) and Forintek Canada, Ltd., (Vancouver, BC) demonstrated that MAPS is more effective at killing bacteria and a broad range of mold and fungi, as compared to the leading anti-microbial available in this market segment.

Additional testing by Thermal-lube, Inc. (Montreal, PQ), confirmed that MAPS is effective against a vast array of microbes.



MAPS at Work

- ▶ The single Petri Dish below was infected with a cocktail of several bacteria which included Escherichia coli, Escherichia coli 0157:H7, Pseudomonas aeruginosa, Staphylococcus aureus, Candida albicans, Aspergillus niger and Trichophyton mentagrophytes.)
- ▶ Paper squares 1-6 were treated with MAPS1 & MAPS2.
- ▶ Square 7 was untreated, as a control.
- ▶ The paper squares were placed on the Petri dish.
- ▶ MAPS was effective at killing and preventing the growth of all the bacteria.
 - ▶ **KILLED!** - E coli 0157:H7 (Antibiotic Resistant Strain)
 - ▶ **KILLED!** - Pseudomonas aeruginosa
 - ▶ **KILLED!** - Candida albicans
 - ▶ **KILLED!** - Trichophyton mentagrophytes
 - ▶ **KILLED!** - Aspergillus niger
 - ▶ **KILLED!** - Staphylococcus aureus (Methicillin Resistant)





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Before and After

Ocean Club apartment before and after MAPS application



Before



After



Before



After

The subject building is a one story CBS construction, interior finish of painted wallboard. The building has been abandoned by the county government, as damaged, surplus office space. The electricity has been off for several years, and the building has roof leaks. Repeated water intrusions and uncontrolled humidity have made it an ideal breeding ground for mold.

An area on the ceiling with staining and visible mold growth was chosen to show the effectiveness of the MAPS system.

One side of the affected ceiling was treated with MAPS, the other side was left untreated.

Eight months later, in an environment where the WME (wood moisture equivalents) remain at 30% or higher, a 99.6% reduction in total Fungal spores was found on the area treated with MAPS!



Subject Building

Untreated



Treated





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Many mold cases are found in wall cavities and flooring in homes, feeding on wood or plasterboard.



Before and After

This night stand was completely infected with mold and a strain of Decay Fungi. It was treated with MAPS and left inside a warehouse under humid conditions. At 4 months it remains completely mold and decay free. According to factory officials, an untreated piece of furniture left in the warehouse will show mold growth within 8 days.



MAPS WOOD DEMONSTRATION

Photos of the raw materials used to produce furniture in a Malaysian factory. The moisture and humidity levels are so high that mold and fungi are known to grow rapidly enough to contaminate the wood, even before it can be manufactured into furniture.



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