



BIO-CLEAN + BIO-GUARD

CLEAN, DEGREASE & DISINFECT

with AEGIS Microbe Shield®
A long-term treatment protecting surfaces from microbes

Spectrum Bio-Clean

Efficient cleaning, degreasing and disinfection of your surfaces with an environmentally friendly virucidal solution. Application method is customized to the needs of your environment.

Spectrum Bio-Guard with AEGIS Microbe Shield®

Application of an industrial grade anti-microbial solution that creates a durable coating that protects against new microbes (including bacteria, mould and fungi) for up to one year.

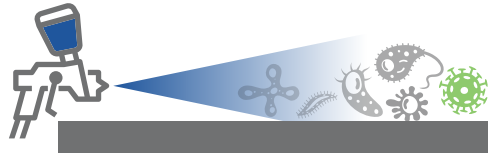
1. BEFORE TREATMENT

Viruses, bacteria and other microbes can live on surfaces for days, and can result in illness.



2. BIO-CLEAN

Spectrum's Bio-Clean environmentally friendly solution contains a combination of virucidal, bactericidal and fungicidal ingredients that is not harmful to humans or pets. Customized for your environment, spraying or fogging will eliminate 99.99% of microbes on all surfaces.



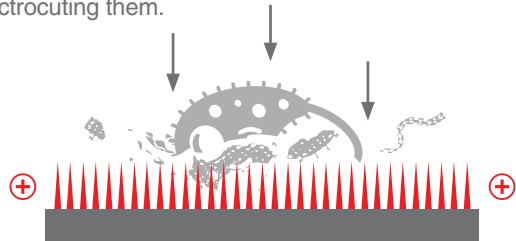
3. BIO-GUARD

Spectrum is a registered AEGIS® specialist. Treating surfaces with AEGIS Microbe Shield® creates an inhospitable environment for the growth of microbes. The AEGIS® solution chemically bonds to all porous and non-porous surfaces, creating what can be thought of as a microscopic positively charged bed of swords.



4. HOW IT WORKS

The positive charge attracts microbes, pulling them onto the swords – breaking their cell membranes and then electrocuting them.



5. MAINTENANCE

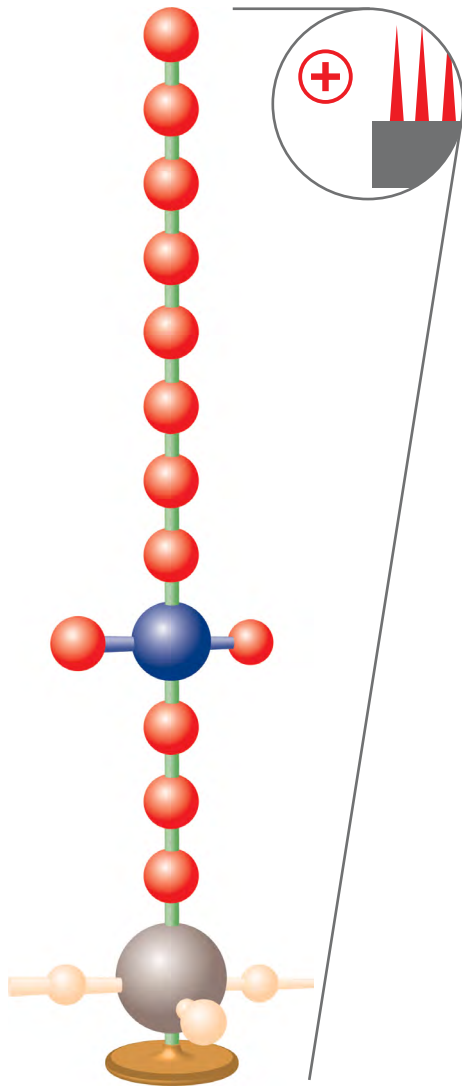
Regular cleaning to remove dirt and debris boosts the efficacy and durability of the AEGIS Microbe Shield® treatment.



Congratulations on winning the fight against microbes!

The AEGIS Microbe Shield® Technology

The Spectrum Bio-Guard program sprays an AEGIS Microbe Shield® (AEM 5700) solution of $C_{26}H_{53}NO_3SiCl$ molecules that have 3 active parts:



CARBON CHAIN

The chain of carbon atoms acts as a sword protecting the surface. When microbes approach, their cell membranes are punctured by the sword.

POSITIVE NITROGEN ATOM

The Nitrogen atom has a positive charge. This attracts the negatively charged microbes and electrocutes them on contact.

SILICON BASE

The silicon base level chemically bonds to the surface being treated and connects to neighbouring molecules to create an entire matrix of protection.

Dry time is just a few minutes. The solution forms a micropolymer coating that's an inhospitable environment for the growth of microbes. The coating can't be seen or felt, doesn't discolour, and is non-toxic to humans and pets. It can safely be maintained for up to 1 year with a regularly scheduled Bio-Clean program.

Spectrum's BIO-CLEAN + BIO GUARD Program FOR SPORTS & RECREATION FACILITIES

Sports and recreation facilities, where multiple people work and play, need to provide a clean and odour-free atmosphere. Unfortunately, they also have numerous surfaces that can transmit viruses, bacteria and other microbes.

No problem! **Spectrum's Bio-Clean** and **Bio-Guard** programs can be customized to your needs and concerns, with special consideration given to:



WASHROOMS & LOCKER ROOMS

Defense is the best offense! From toilet handles and faucets, to benches and lockers, it's essential all surfaces are regularly disinfected and annually protected with **AEGIS Microbe Shield®**. The durable and invisible barrier prevents the spread of microbes (including odour-causing bacteria) without the ongoing use of harsh-smelling chemicals.



FITNESS EQUIPMENT

Staining and deterioration of equipment caused by bacteria, mould and fungi can be prevented through **Spectrum's Bio-Guard** program. Treatment with **AEGIS Microbe Shield®** provides a durable anti-microbial surface for up to a year, with regular Bio-Clean maintenance.



HVAC

With every breath you take, the presence and spreading of harmful microbes can make you sick. We work with you to keep your facility's environment safe and clean by treating all components of your HVAC system, including ducts, heating and cooling equipment, and air mixing units. Applied once a year, all the surfaces of your HVAC system will be protected from microbes.

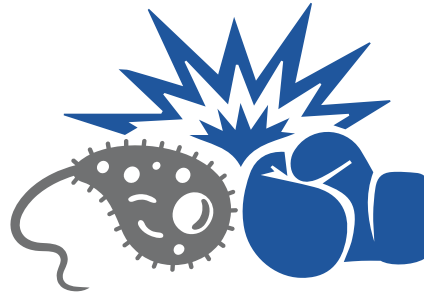


INDOOR ARTIFICIAL TURF

Indoor artificial turf can be one of the dirtiest places in a recreation facility, partly because it's hidden away from the powerful cleansing UV rays of the sun. Indoor turf has even been associated with serious illness resulting in civil litigation. The use of **AEGIS Microbe Shield®** on the turf keeps surfaces protected from microbial growth.



BIO-CLEAN + BIO-GUARD



Get the winning 1-2-punch in the fight against microbes on your side. Knock out viruses, bacteria, fungi, algae, mould and mildew and protect your surfaces with a durable anti-microbial protectant.

All Spectrum's services can be custom-tailored to your unique needs, so let's start a conversation.

Contact your Spectrum rep today!

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