



BioShield 75



BioShield® 75

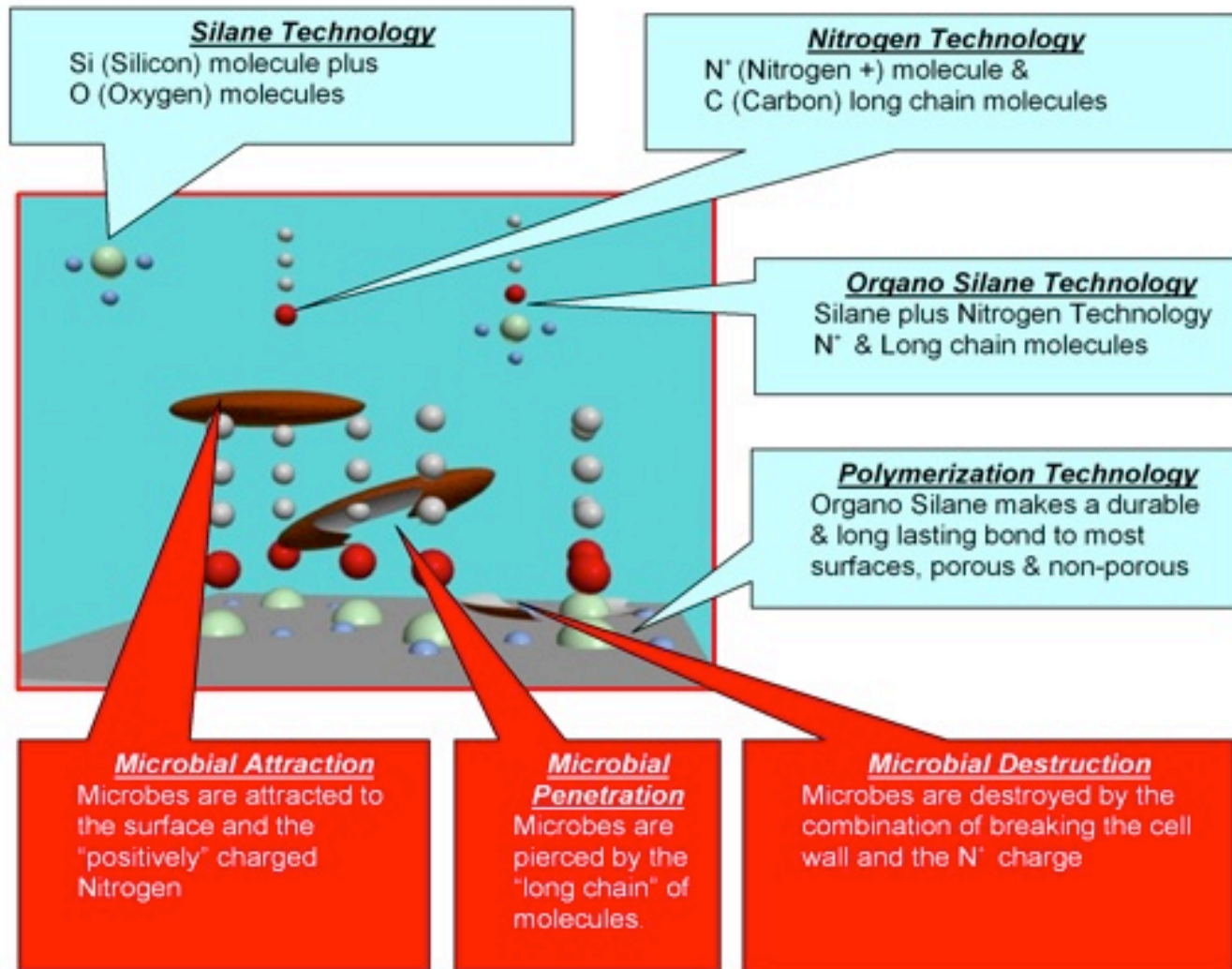
What is BioShield® 75 antimicrobial protection?

- ❧ IndusCo, LTD has introduced BioShield® 75, a patented, EPA Registered and USDA accepted, innovative new product.
- ❧ BioShield® 75 is a totally new approach to providing long lasting Antimicrobial Protection. It is a spray-on antimicrobial protectant for both porous ***and*** non-porous surfaces.
- ❧ BioShield® 75 prevents the growth of an amazingly wide array of bacteria, mold, mildew, algae and yeast. BioShield® 75 acts like a bed of microscopic spikes that pierce the cell walls of microbes. Visualize it as the fuzz on a peach.

BioShield® 75

How does BioShield® 75 work?

- ♻️ The active ingredient in BioShield® 75 (Organosilane) forms a colorless, odorless, positively charged polymer, which chemically bonds to a surface.
- ♻️ When a microorganism comes in contact with the treated surface, the quaternary amine sword punctures the cell membrane and the electrical charge shocks the cell.



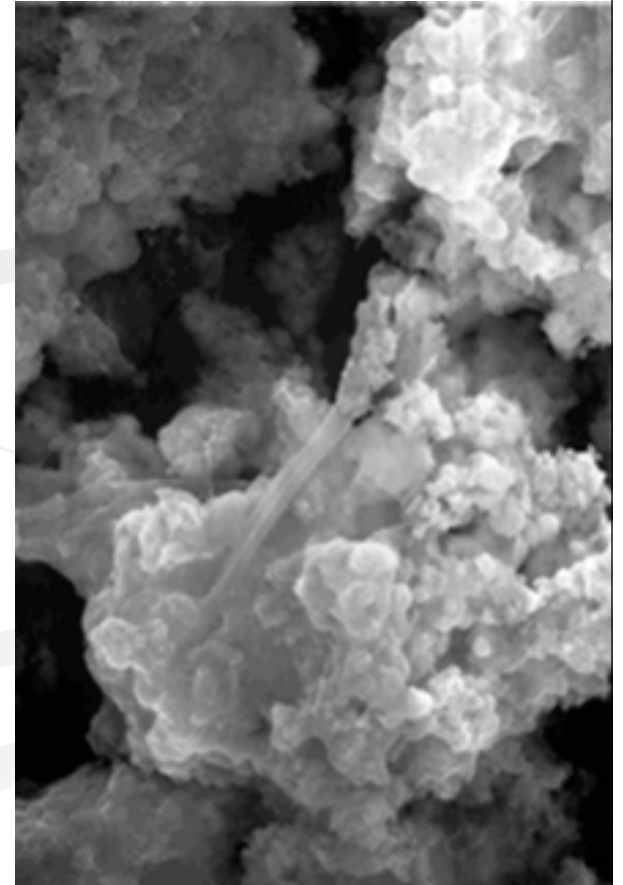
BioShield® 75

How does BioShield® 75 work?

- ♻️ BioShield® 75 gives substrates an added level of protection against damaging microbes. Some examples are: bacteria, mold and mildew, these can cause stains, odors and in some cases - deterioration.
- ♻️ Note - In order for BioShield® 75 to continue it's effectiveness, normal cleaning of treated surfaces is necessary.

BioShield® 75

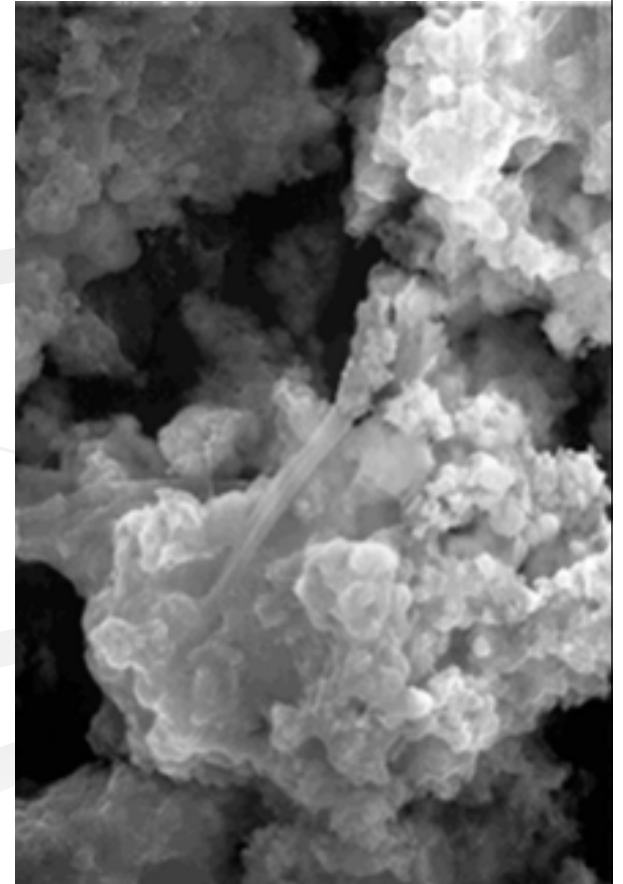
Biofilm



BioShield® 75

What is Biofilm?

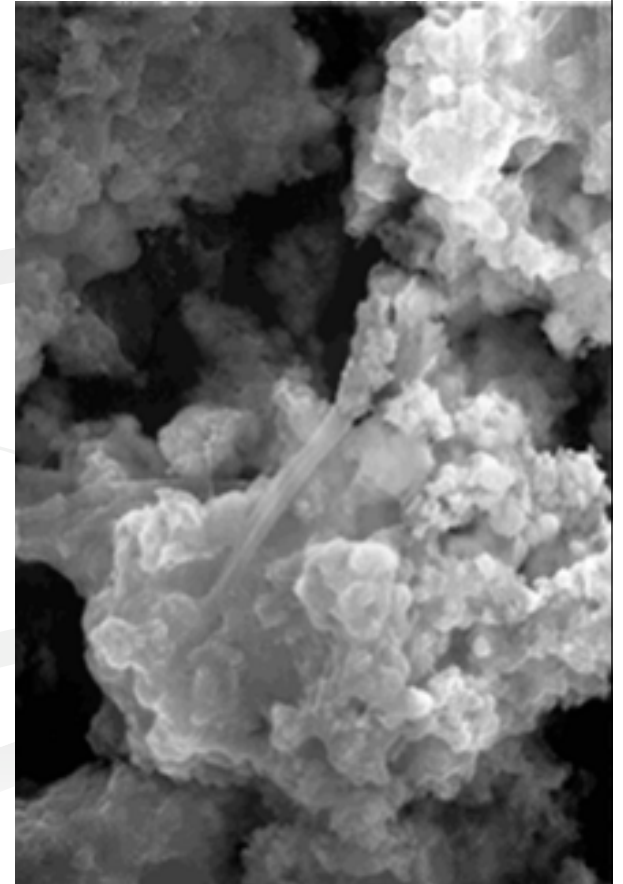
- ❏ Biofilm is a community of single-celled microorganisms that forms on surfaces
- ❏ A wide range of microorganisms can function, even thrive, in a community setting.



BioShield® 75

What is Biofilm?

- ❧ Biofilm is a major cause of antimicrobial resistance
- ❧ Layers of microorganisms have an insulating effect from cleaners with the outermost reaches protecting the layers of organisms underneath
- ❧ 80% of all human infections are caused by some sort of biofilm



BioShield 75 - Forming Biofilm

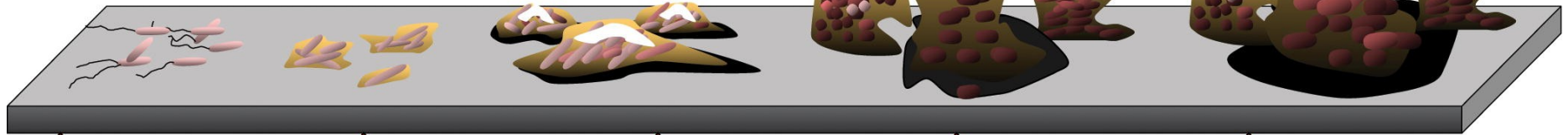
Reversible
adsorption
of bacteria
(sec.)

Irreversible
attachment
of bacteria
(sec.-min.)

Growth &
division of
bacteria
(hrs.-days)

Exopolymer
production &
biofilm formation
(hrs.-days)

Attachment of
other organisms
to biofilm
(days-mnths.)



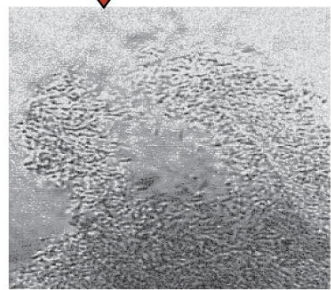
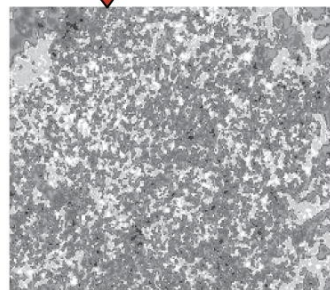
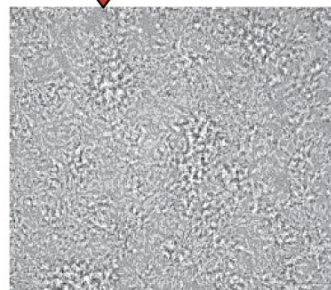
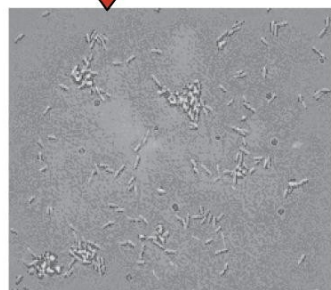
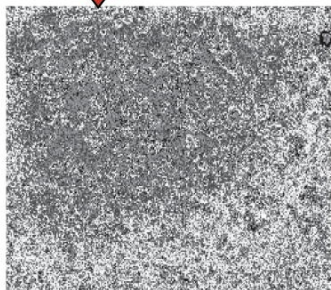
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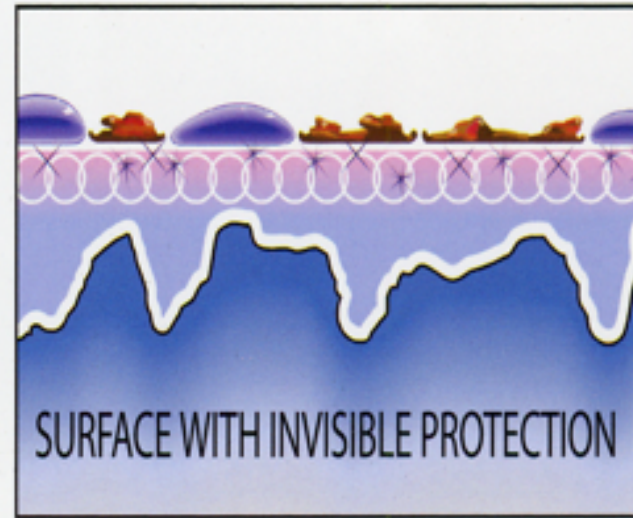
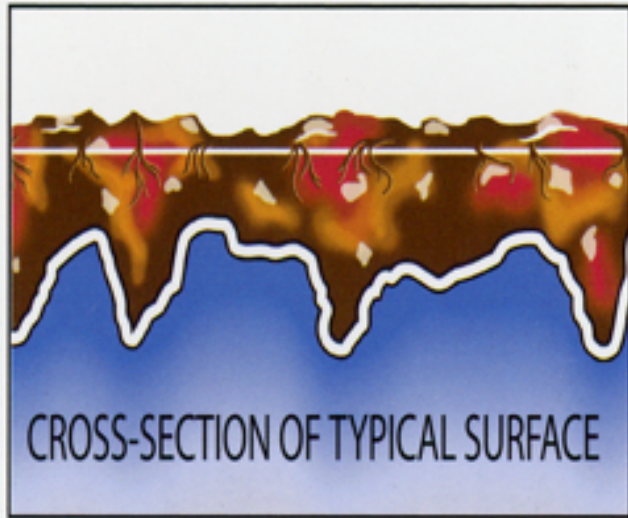
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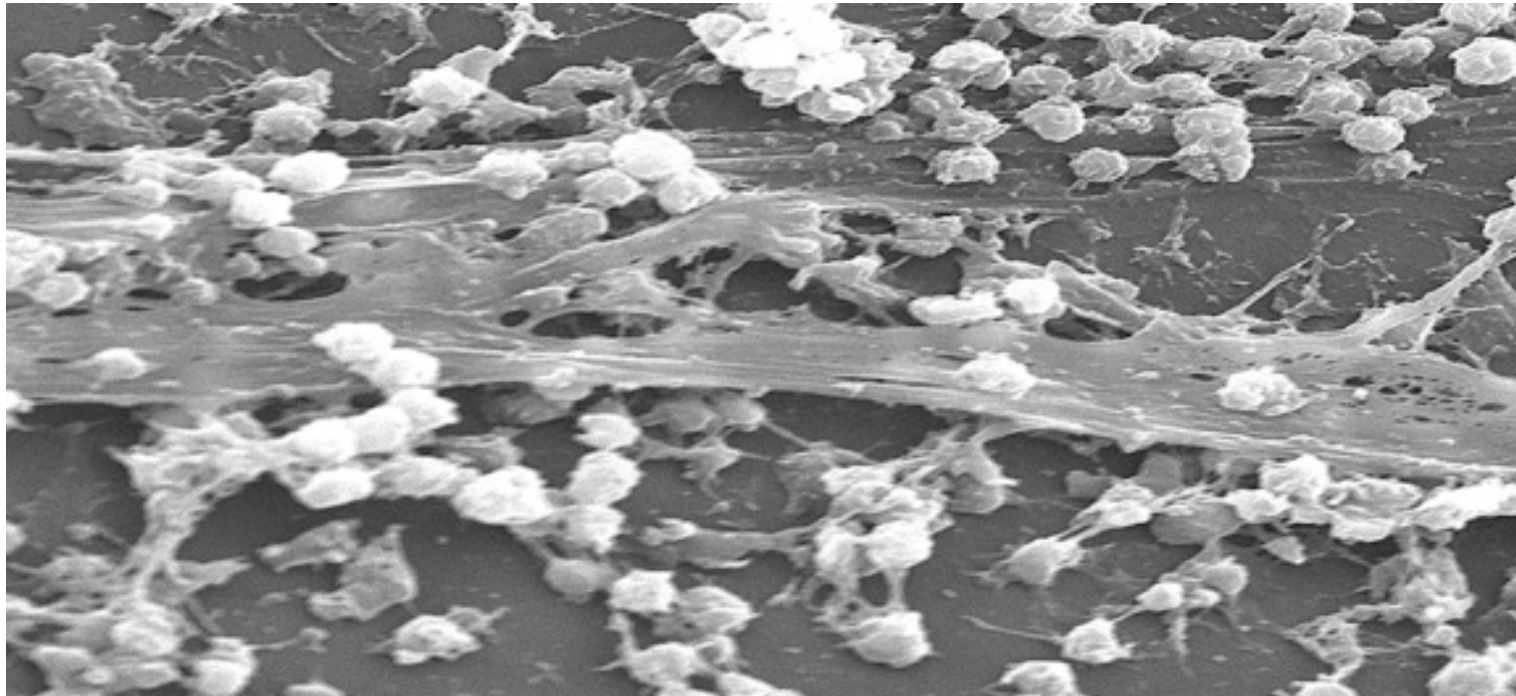
BioShield® 75

Biofilm in action



BioShield® 75

Staphylococcus Aureus



BioShield® 75

Why should I use BioShield® 75?

- ♻️ Each of us are affected by microbes in some way on a daily basis. Every object we touch can have substantial microbe infestation.
- ♻️ You can now limit the amount of microbial contamination that you breathe and touch.
- ♻️ BioShield® 75 is non-poisonous, non-heavy metal based and is designed to protect against microbial growth.

BioShield® 75

What benefits can be expected from surfaces that are treated with BioShield® 75?

- ❧ BioShield 75 protection continuously fights the growth of microbes that can cause stains, odors and surface or product degradation.
- ❧ BioShield 75 protection makes the surfaces in your business easier to clean and keeps them cleaner and fresher between cleanings.

BioShield® 75

Once BioShield® 75 is applied do I have to clean as often or as carefully?

- ♻️ BioShield® 75 helps make surfaces easier to clean and helps keep them clean!
- ♻️ However, we cannot stress enough that “**standard cleaning practices should always be maintained.**”

BioShield® 75

How long does BioShield® 75 protection work?

- ♻️ BioShield® 75 is engineered to provide continuous antimicrobial product protection for ninety (90) days or greater, keeping the surfaces in your home or business cleaner and fresher for longer than ever before.
- ♻️ Once BioShield® 75 is applied to the surface it will not wash off.

BioShield® 75

What is the difference between BioShield® 75 and antimicrobials with similar claims?

- ❧ Conventional antimicrobial products penetrate living cells by] [ãoning the organism. They are designed to act and dissipate quickly to avoid adverse effects to humans and animals due to their toxic ingredients.

BioShield® 75

What is the difference between BioShield® 75 and antimicrobials with similar claims?

- ❧ BioShield® 75 takes a totally unique approach.
- ❧ Effective initial microbial elimination occurs when applied, like the conventional methods.
- ❧ The long-term control of growth on treated surfaces the remains for the life of that surface.
- ❧ The surface itself is modified to make it antimicrobial active.

BioShield® 75

Program Summary

- ♻️ 25 Years of safe use
- ♻️ 8-EPA Registrations
- ♻️ USDA (accepted for use on food contact surfaces)
- ♻️ US Patents (5)

BioShield® 75

Program Summary

- ♻️ BioShield 75 controls microbes
- ♻️ Microbes are bacteria, fungi or algae
- ♻️ Microbes damage surfaces
- ♻️ Microbes can be harmful to health
- ♻️ Microbes can be unsightly and odorous
- ♻️ Microbes can multiply rapidly
- ♻️ Microbes are difficult to control

BioShield® 75

Program Summary

- ♻️ BioShield® 75 is unique - it works by dealing a “double whammy” to microbes:
- ♻️ First it punctures the microbes **PHYSICALLY**
- ♻️ Then **ELECTROCUTES** them

BioShield® 75

Program Summary

- ♻️ PHYSICALLY – it prevents microbes from laying down an efficient biofilm
- ♻️ This stops microbes from reproducing
- ♻️ This creates an easier to clean surface

BioShield® 75

Program Summary

- ♻️ BioShield® 75 is SAFE & Non-Toxic
- ♻️ Prevents the formation of ***Biofilm***
- ♻️ It does not leach poisons
- ♻️ It does not cause “superbug” mutations
- ♻️ It is not a disinfectant
- ♻️ BioShield® 75 is a PROTECTANT

BioShield® 75

Program Summary

- ♻️ BioShield® 75 has produced excellent results in independent performance testing – which means it is **EFFECTIVE TO USE**
- ♻️ BioShield has produced excellent results in independent toxicology testing – which means it is **SAFE TO USE**

BioShield® 75

Consider the markets where users of BioShield® 75 would benefit

- ♻ Healthcare
- ♻ Dental
- ♻ Hospitality
- ♻ Education
- ♻ Corrections
- ♻ Sports
- ♻ Government
- ♻ Food Processing
- ♻ Travel
- ♻ Among many, many others

BioShield® 75

Geerpres® treats many items with BioShield® 75 prior to shipment to customers as an added value

- ♻️ Stainless Steel Escort® and Escort RX™ carts
- ♻️ Epoxy Coated Escort® carts
- ♻️ Ergonomic Stainless Steel Downpress Wringers
- ♻️ Stainless Steel Buckets
- ♻️ Escort® and Escort RX™ Microfiber Carts
- ♻️ Wagon Master® Housekeeping Carts
- ♻️ Waste Wagon® Refuse & Soiled Linen Carts
- ♻️ Side-Kick® Housekeeping Carts
- ♻️ Stainless Steel *Half Round* Buckets



Thank you!