



**SHERWOOD Services, Inc.**  
TOTAL FACILITIES CARE • EST. 1998

**BioShield 75**



# BioShield® 75

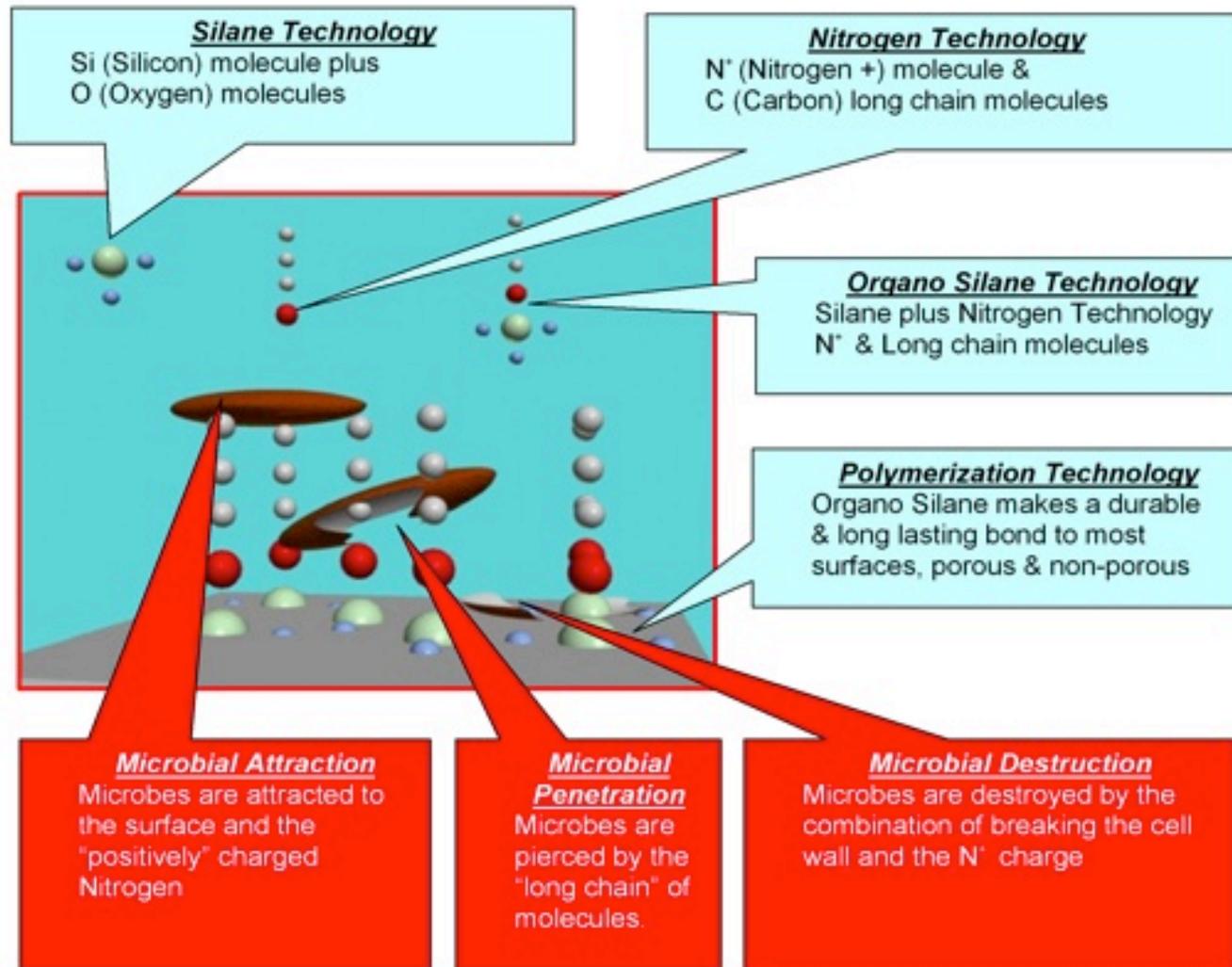
## What is BioShield® 75 antimicrobial protection?

- ❧ 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.



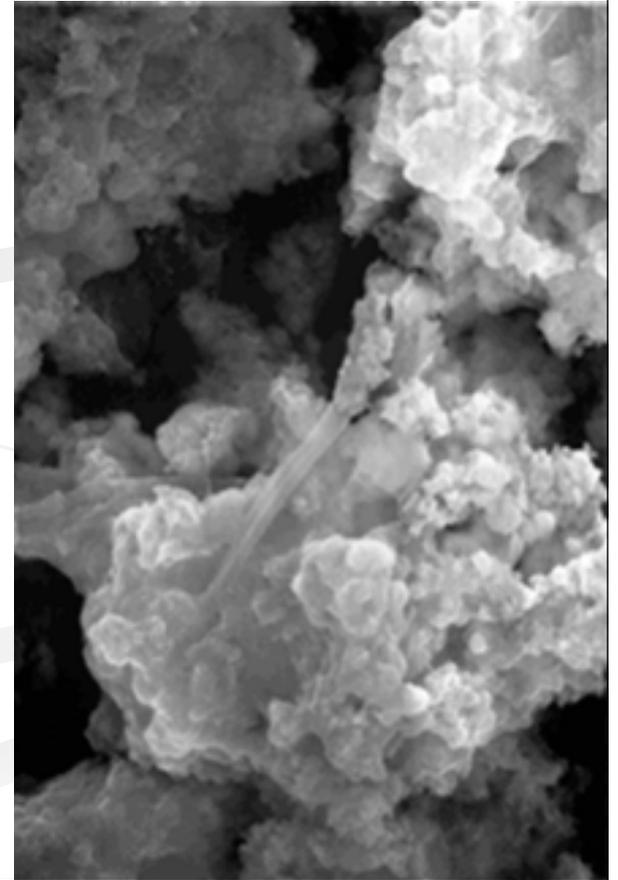
# BioShield® 75

## 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

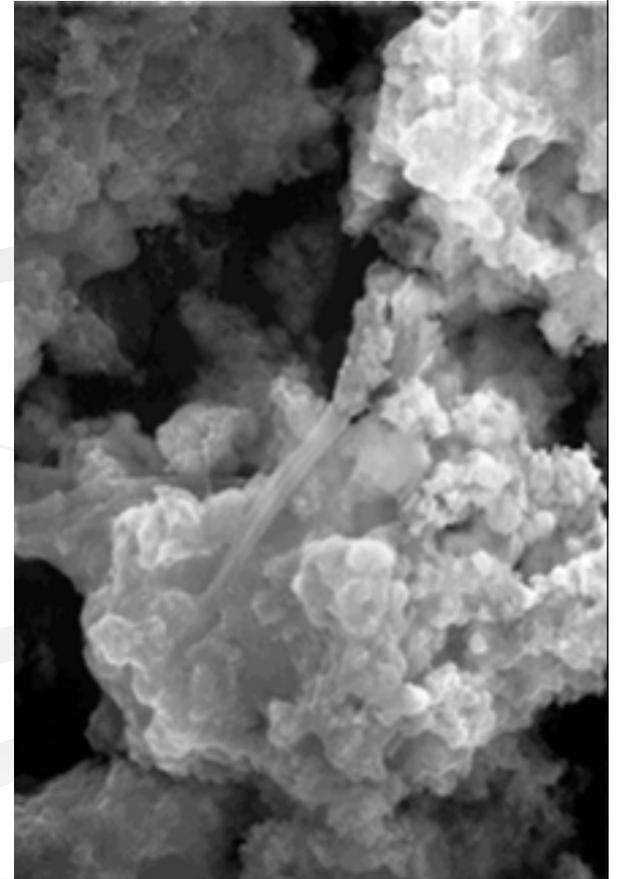
## Biofilm



# BioShield® 75

## What is Biofilm?

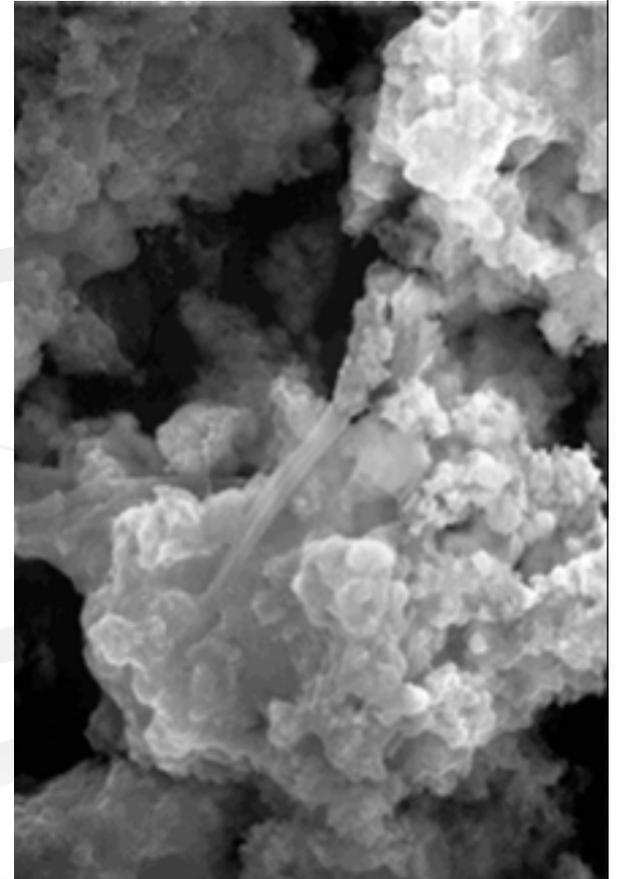
- ⌘ Biofilm is a community of single-celled microorganisms that forms on surfaces
- ⌘ A wide range of microorganisms can function, even thrive, in a community setting.



# 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

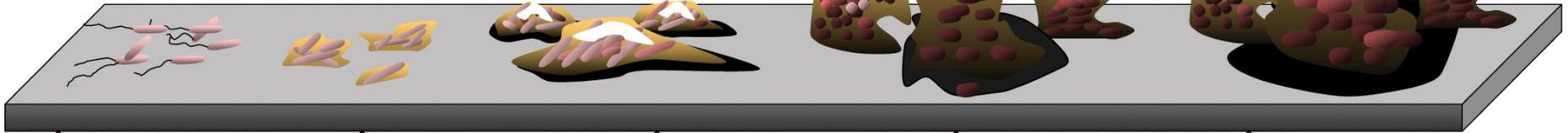
Reversible  
adsorption  
of bacteria  
(sec.)

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.)



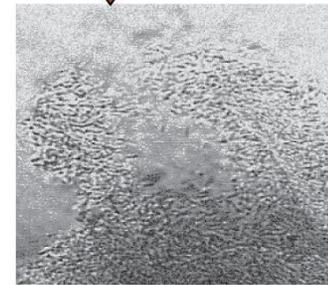
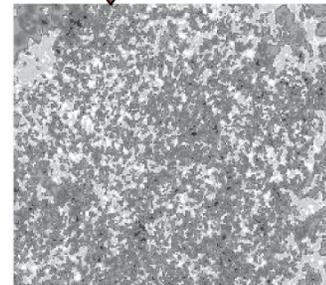
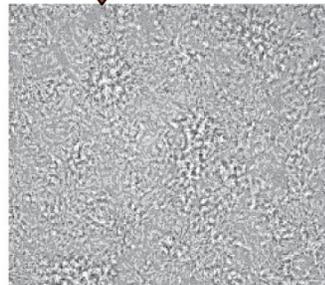
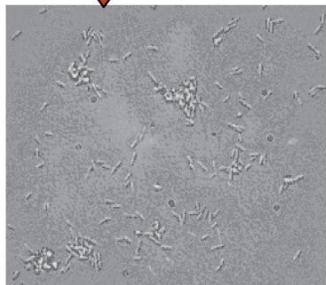
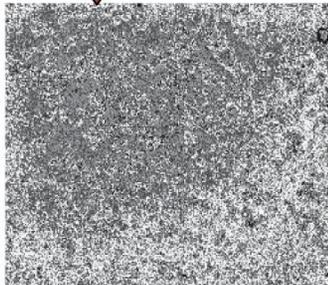
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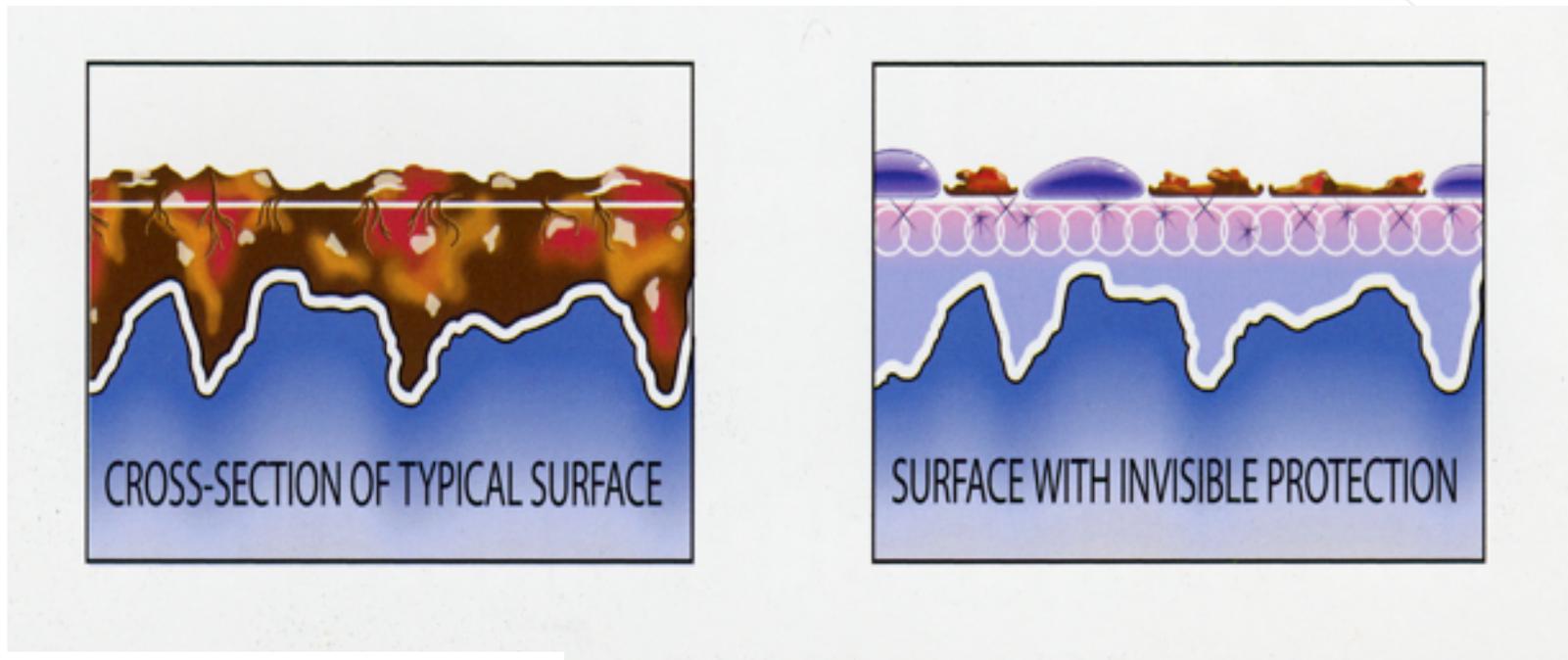
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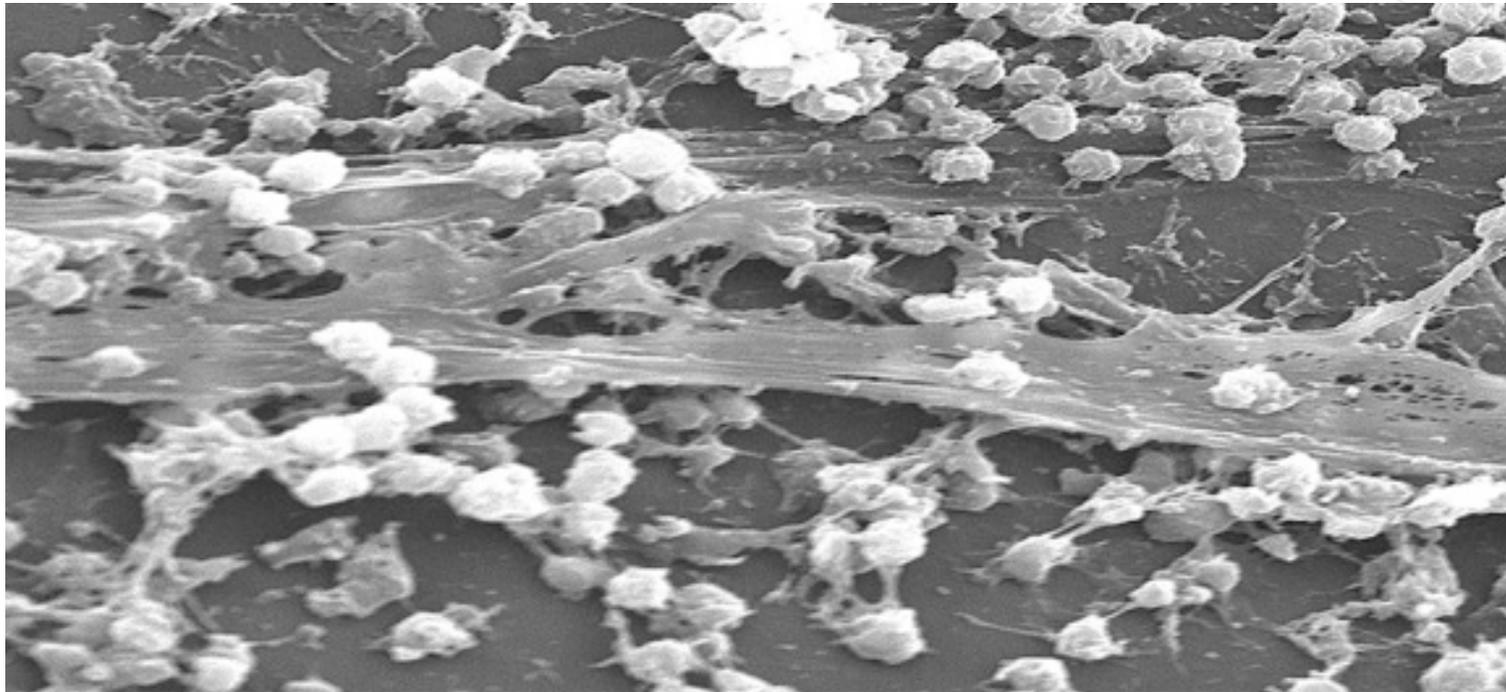
# BioShield® 75

## 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 used 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

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## 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!