

BI X

ANTI MICROBIALS

40

Zr

Zirconium

91.224

30

Zn

Zinc

65.38

47

Ag

Silver

107.9

14

Si

Silicon

28.086



ANTI-MICROBIALS *A NEED OF THE HOUR*

Covid-19, caused by the microscopic corona virus, serious concerns about health and well being of the society. The pandemic in many ways has altered the way we live. Furthermore, emphasizing the importance of hygiene and sanitization of our surroundings until a cure is found.

We at Geocon Products offer complete range of Inorganic Anti-Microbial additives that impart properties like anti-fungal, anti-viral, odor masking. BIOX Antimicrobial additives can be blended into your product during the manufacturing process for long-lasting protection of the end products against a wide range of microbes, mildews, fungi and virus. Our additives work by inhibiting cell wall biosynthesis, nucleic acid synthesis, protein synthesis, or disrupting cell membrane structure. BIOX additives have been tested in numerous applications to provide up to 99% reduction in bacteria, mould, fungi and viruses. We constantly challenge ourselves to provide our customers with greener and long lasting additives. Let us help you to make product in a better way.



SOLUTION FOR
every application



BIOX IN ACTION

Protection 24 hours X 365

BIOX antimicrobial mechanism works by inhibiting the function of enzymes in the metabolic systems of microbes. The silver ions from Zeolitic structure break and penetrate the microbe cell wall surface and active transfer is made. The silver ions react with several metabolic enzymes within the metabolic system of the microbes. The activity of these enzymes is hindered and the growth of microbes is inhibited.

The silver ions are super fighting agent gives an antimicrobial effect on a wide range of microbes including gram-negative bacteria such as *Escherichia coli* and *Pseudomonas aeruginosa*, gram-positive bacteria such as *Staphylococcus aureus* and MRSA, and molds such as *Aspergillus niger* and *Penicillium*.

MIC (Minimum Inhibitory Concentration) Measurement Results

Bacteria type

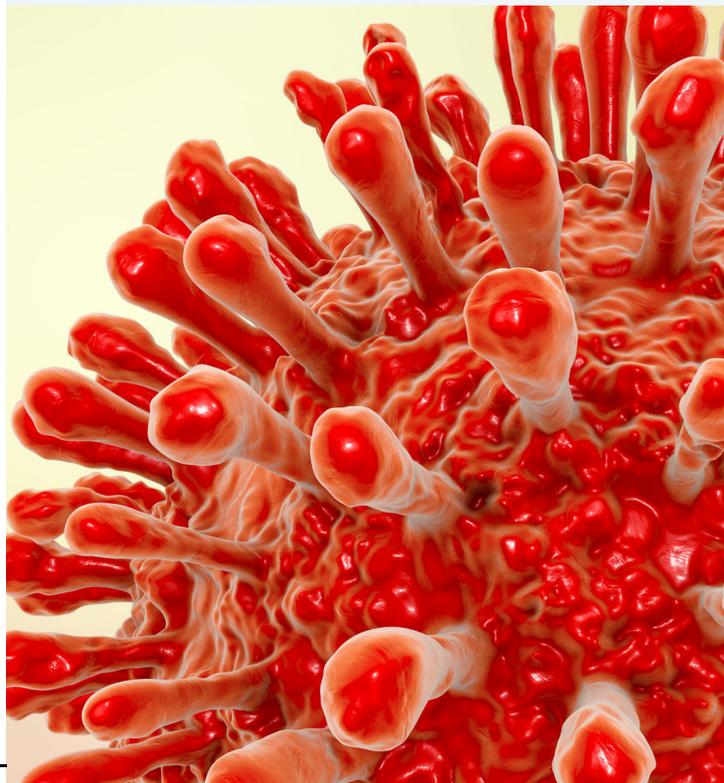
Proteus vulgaris
Escherichia coli
Pseudomonas aeruginosa
Vibrio parahaemolyticus
Salmonella gallinarum
Enterobacter aerogenes
Bacillus cereus var mycoides
Streptococcus faecalis
Escherichia coli O-157:
Staphylococcus aureus
Methicillin-Resistant Staphylococcus aureus
Bacillus subtilis
Methylobacterium mesophilicum
Micrococcus flavus
Moraxella osloensis

Fungi & Molds

Aspergillus niger
Chaetomium globosum
Gliocladium virens
Penicillium funiculosum
Cladosporium herbarum
Mucor racemosus NBRC
Myrothecium verrucaria
Penicillium nigricans
Paecilomyces varioti
Rhizopus nigricans

Virus

Leviviridae family of virus



*The special
reason for
choosing*
BIOX

- Complete Range
- Proven Molecules
- Strict Quality Parameters
- Full Technical Support
- High Safety Standards
- Customer friendly
- Inhouse Product Development
- Available in smaller quantities
- Made in India
- Product Blends available

BIOX Grades

Ag

Silver Anti-Microbials

Cationic Silver Slurry

Grade Ref: SIS 900

Applications in: Textile, Constructions

Silver Zeolites Powder & Slurry

Grade Ref: SIZ 1900, SIZA 500

Applications in: Coatings, Textiles, Constructions,
Plastics, Rubber, Ink

Zr

Zirconium Anti-Microbials

Zirconium Phosphate Glass

Grade Ref: SIZR 1750

Applications in: Ceramics, Constructions, Paints,
Composites

Zn

Zinc Anti-Fungal

Zirconium Oxide Powder & Slurries

Grade Ref: NZOP 1100, NZOS 2100

Applications in: Ceramics, Constructions, Paints,
Composites, Ink, Textiles,

Si

Quat. Silane Anti-Microbials

Quaternary Silanes in Isopropanol

Grade Ref: QS-30

Applications in: Ceramics, Paints, Ink, Textiles,
Also available in Methanol and Ethanol

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