



## BioBlock-360AMD

### Multi-purpose Extended Life Anti-Microbial Disinfectant Coating

#### Technical Data Sheet

**BioBlock-360AMD** is a clear cured, easy to apply Antimicrobial Disinfectant coating solution that helps to lower the bio-burden and continuously protect treated surfaces from the colonization of bacteria, mold, mildew and fungus while the disinfectant additive in the formulation kills bacteria and viruses such as; **Corona Virus-Human, HIV, HCV & HBV** and others from cleaned and coated surfaces for as long as the coating remains intact.

**BioBlock-360AMD** is a high performance, specially synthesized polysilazane polymer coating that ambient cures and develops a covalent bond with the substrate it is applied to, bonding the antimicrobial coating and the surface on a molecular level. The product is a clear, rinse free solution that disinfects the surface while being applied and continuously protects for as long as the coating remains.

**BioBlock-360AMD** contains an optical brightener that illuminates under a special uv or black light tracer allowing for physical inspections to verify all intended surfaces were coated or have remained intact and still offering the intended protection on previously coated areas.

**BioBlock-360AM** is highly effective on practically any variation of polished metals, plastic, wood, glass, fabrics, fiberglass, and ceramics, on porous & nonporous surfaces.

**BioBlock-360AMD** is a spray on clear solution that can be applied to most any surface that will not be harmed by a short-term moisture exposure.

**BioBlock-360AMD** sprays on wet and dries to a clear micro-thin barrier that combats virus colonization on the treated surfaces for up to 90 days depending on the amount of friction abuse or abrasion the surface receives.

#### BioBlock-360AMD - Properties:

- Color \_\_\_\_\_ Clear
- Odor (liquid) \_\_\_\_\_ Pleasant
- V.O.C. \_\_\_\_\_ Low VOC
- RoHS \_\_\_\_\_ Compliant
- REACH \_\_\_\_\_ Compliant
- Halogens Pressure sprayed applied: \_\_\_\_\_ None



- Estimated Coverage Rate \_\_\_\_\_ 500-550sf per gal.
- Product application thickness & rate of absorbency of the solution into the substrate will vary results)
- Electrostatic spray systems can lessen wasteful overspray and give much better sq/ft coverage rates, lowering the actual cost per applied square foot.
- Dry to Touch (time @ambient) \_\_\_\_\_15 minutes (average)
- Re-coat \_\_\_\_\_ as needed or wanted
- Foot traffic \_\_\_\_\_20-30 minutes

**EPA Reg. No. 83019-1**

**FIFRA Reg. no. 61178-5, Refer to EPA list N**

**EPA Est. No. 96461-GA-1**

**BioBlock-360AMD's antimicrobial disinfectant** formulation helps to continuously kill and protect coated surfaces from the colonization of the following list of microorganisms, significantly lowering the bio-burden upon that surface for an extended period of time.

## **MICROORGANISM EFFECTIVE KILL LIST**

### **Human Viruses**

Adenovirus type 2 – Cytomegalovirus – HBV (Hepatitis B Virus) – HCV (Hepatitis C Virus) – Herpes Simplex type 1 Virus – Herpes Simplex type 2 Virus – HIV-1 (AIDS Virus)

\*Human Coronavirus

Influenza A/Brazil Virus – InfluenzaA/Victoria(H3N2) Virus

Influenza A2-Asian Virus – Influenza B Virus (Allen strain) – Influenza C Virus (Taylor strain)  
– Measles Virus

### **Non-Human Viruses**

Avian Influenza/Turkey/ Wisconsin Virus

Canine Coronavirus – Canine Distemper Virus – Canine Herpesvirus

Equine Herpesvirus – Equine Influenza

Feline Calicivirus Norovirus – Feline Infectious Peritonitis –

Infectious Bovin Rhinotracheitis (IBR) – Newcastle Disease Virus



**Isolates From AIDS Patients**

Aspergillus niger – Candida albicans  
Cryptococcus neoformans

**Gram Positive Clinical Isolates**

Staphylococcus aureus (Toxic shock) – Staphylococcus epidermidis – Staphylococcus saprophyticus

**Gram Negative Clinical Isolates**

Acinetobacter calcoaceticus var. anitratus – Acinetobacter calcoaceticus var. Iwoffii Bordetella bronchiseptica – Brevundimonas diminuta

Burkholderia cepacia – Enterobacter agglomerans – Enterobacter cloacae – Enterobacter gergoviae – Enterobacter liquefaciens – Escherichia coli (Urinary) – Escherichia coli (Wound) – Flavobacterium meningosepticum – Hafnia alvei

**Other Bacteria**

Actinobacillus pleuropneumoniae – Actinomyces pyogenes – Bacillus cereus – Bacteroides fragilis – Corynebacterium ammoniagenes, (Brevibacterium ammoniagenes) - Bordetella bronchiseptica – Burkholderia pickettii

Parainfluenza type 1 – Poliovirus type 1 (Chat strain) – Respiratory Syncytial Virus - Rotavirus  
Vaccinia Virus

Porcine Parvovirus – Porcine Respiratory & Reproductive Syndrome Virus – Porcine Rotavirus – Pseudorabies Virus – Transmissible Gastroenteritis (TGE) T1 bacteriophage – T4 bacteriophage – Vesicular Stomatitis Virus (VSV) Bovine – Viral Diarrhea Virus (BYDV) – Avian Influenza Virus (H5N1)

Pseudomonas aeruginosa – Staphylococcus aureus – Streptococcus pneumoniae – Streptococcus haemolyticus – Streptococcus pyogenes

Klebsiella oxytoca – Klebsiella pneumoniae – Morganella morganii – Proteus mirabilis - Proteus vulgaris – Pseudomonas aeruginosa – Pseudomonas fluorescens – Pseudomonas pseudomallei – Pseudomonas putida – Pseudomonas stutzeri – Serratia marcescens – Sphingomonas paucimobilis

Campylobacter jejuni – Chryseomonas luteola – Corynebacterium pseudotuberculosis – Enterobacter aerogenes – Enterococcus faecalis – Enterococcus faecium – Enterococcus hirae – Escherichia coli



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