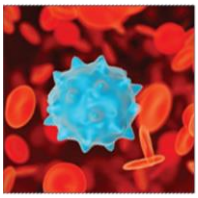
ALPHATEK MATERIALS

AlphaSAFE Protective Antimicrobial Coating Solutions
– Face Shields, Bedding, Textiles & Uniforms –



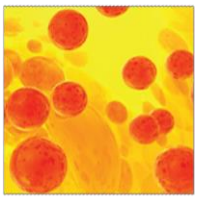
AM Vision

ANTIMICROBIAL OPTICAL COATING

Dry to Touch in 15-25 minutes — Full Cure in 12-24 Hours

Average Coverage Rate (ft^2/gal): Automated ≈ 3800 | Manual ≈ 3000

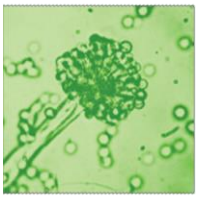
AM VISION (AT-1169-AM) is an easy to apply optically clear fog-resistant coating for glass, plastic, and mirrors. Coated surfaces are easy to clean, stay clear, and protect against surface degradation caused by disinfectants and chemical cleaners.



NON-HAZARDOUS TO HUMANS AND PETS WHEN USED AS DIRECTED

DO NOT USE ON BIOLOGICAL TISSUES – DO NOT APPLY DIRECTLY TO FOOD

FDA-COMPLIANT FOR FOOD CONTACT SURFACES – NON-TOXIC & NO TRANSDERMAL ABSORPTION



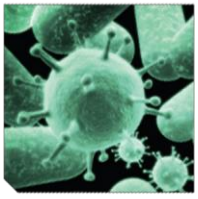
AM Textile

ANTIMICROBIAL TEXTILE COATING

Dry to Touch in 15-25 minutes — Full Cure in 12-24 Hours

Estimated Coverage Rate (ft^2/gal): Thin Materials ≈ 2,500 | Thick Materials ≈ 1,250
Plastic Tarps ≈ 2,850

AM TEXTILE (AT-1181-AM) impregnates treated fibers with an antimicrobial nano-ceramic matrix, creating a long-term durable, UV-resistant, and water-shedding material. The ceramic matrix decreases flame spread and enhances fiber tensile strength, while retaining flexibility and breathability.



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AM Disinfect

ANTIMICROBIAL DISINFECTANT SPRAY

Dry to Touch in 15 minutes — Ready for foot traffic in 30 minutes

Coverage Rate (ft^2/gal): Non-porous Surface ≈ 500 | Porous Surface ≈ 200
Furniture & Textiles ≈ 200 - 300

AM DISINFECT (AT-3060-AM) provides a durable, temporary, and powerful quick drying water-based disinfectant spray that creates a transparent antimicrobial protective physical kill barrier for porous and non-porous surfaces, including fabrics and plastics. The disinfectant is applied using a hand or pump sprayer, wipe, or fogger.

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FDA-COMPLIANT FOR FOOD CONTACT SURFACES – NON-TOXIC & NO TRANSDERMAL ABSORPTION

DISINFECTANT CAN BE REAPPLIED WITHOUT IMPACTING ANTIMICROBIAL EFFECTIVENESS

TREATED SURFACES RETAIN ANTIMICROBIAL PROPERTIES FOR UP TO 90 DAYS – DEPENDING ON WEAR & TEAR

For more information & sales, contact:

AlphaTek Materials, LLC

2372 Morse Avenue, Ste. 167, Irvine, CA 92614

+1-949-387-4271 | contact@alphatekmaterials.com

WWW.ALPHATEKMATERIALS.COM

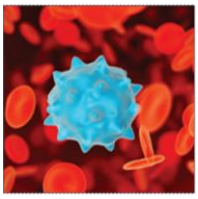
PROUDLY MADE IN USA

AlphaTek AlphaSAFE – Antimicrobial Additive Information

PROTECTING LIFE'S SURFACES

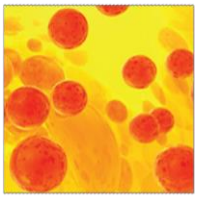
AlphaTek Materials is a leading innovator in advanced materials, performance coatings, and surface disinfection & sanitation solutions. AlphaTek's antimicrobial surface disinfectant sprays and coatings combine leading edge technologies to disinfect, sanitize, and protect non-biological surfaces from dangerous microorganisms.

AlphaTek's antimicrobial coatings protect almost any surface including floors, walls, doors, cookware, counters, tables, vehicles, operating rooms, handrails, elevators, clear plastics, textiles, and fabrics.



AlphaTek's High-Performance Nano-Ceramics

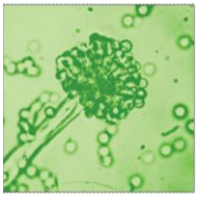
AlphaTek utilizes proprietary aerospace nano-ceramics to create a range of high-performance coatings. The nano-ceramic coatings covalently bond to almost any surface for long-term adhesion and extreme durability. AlphaTek's nano-ceramic coatings are low-VOC, easy to apply, and air cure under ambient conditions. Treated surfaces are hydrophobic and oleophobic. The ceramic matrix protects against abrasion, chemicals, and UV-radiation for the life of the coating.



AlphaTek Materials' Antimicrobial Additive

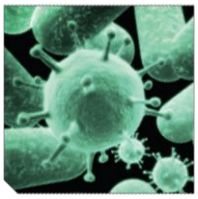
AlphaTek uses a powerful organosilicon-based antimicrobial additive that is an effective surface disinfectant and adds exceptional continuous bacteriostatic, fungistatic, and algistatic properties to coated surfaces. The antimicrobial is blended throughout the entire thickness of the coating for long-term antimicrobial durability.

The antimicrobial additive creates a network of electrically charged molecules on the exposed surface that ruptures the cell membrane of microorganisms that come into contact with the coating. The antimicrobial's physical kill mechanism is highly effective and does not promote the development of drug-resistant superbugs.



Other key properties of AlphaTek's antimicrobial additive:

- EPA Registered (83019-1) & NSF-51 Approved and FDA-compliant for Food Contact Surfaces.
- Protects plastics, textiles, and other coated surfaces from colonization by a wide variety of pathogens, viruses, bacteria, mold, algae, and other microorganisms.
- Proven effective to protect treated surfaces against colonization by Influenza and Human Coronavirus (untested against COVID-19).
- Does not contain any heavy metals and does not leach chemicals or metals out of the coating.
- Non-toxic and non-hazardous to humans and pets when used as directed.
- No transdermal absorption.



The antimicrobial properties help to continuously protect treated surfaces from potential colonization by a growing list of microorganisms, including:

- Coronavirus, Human
- Acinetobacter calcoaceticus
- Aeromonas hydrophilia
- Alternaria alternata
- Anabaena cylindricia
- Aspergillus flavus
- Aspergillus fumigatus
- Aspergillus Niger
- Bacillus cereus
- Bacillus subtilis
- Bacillus typhimurium
- Bipolaris australiensis
- Candida albicans
- Candida parapsilosis
- Cephaldascus fragans
- Chlorella
- Chlorophyta (green)
- Chrysophyta (brown)
- Citrobacter diversus
- Cladosporium herbarum
- Clonostachys rosea
- Clostridium perfringens
- Corynebacterium bovis
- Corynebacterium diphtheriae
- Cryptococcus humicola
- Cutibacterium acnes
- Enterobacter aerogenes
- Enterobacter agglomerans
- Enterobacter cloacae
- Enterococcus
- Enterococcus faecalis
- Epidermophyton floccosum
- Escherichia coli
- Fusarium nigrum
- Fusarium solani
- Geotrichum candidum
- Gliocladium roseum
- Gliomastix cerealis
- Klebsiella pneumoniae
- Klebsiella terrigena
- lternaris species
- Mariannaea elegans
- Microsporum audouinii
- Monilia grisea
- Mycobacterium tuberculosis
- Oospora lactis
- Oospora lactis sp
- Oscillatoria borneti
- Penicillium albicans
- Penicillium chrysogenum
- Penicillium citrinum
- Penicillium notatum
- Penicillium variabilei
- Penicilliumn notatum
- Pleurococcus
- Proteus mirabilis
- Proteus vulgaris
- Protococcus
- Pseudomonas aeruginosa
- Pseudomonas cepacia
- Saccharomyces cerevisiae
- Salmonella enterica
- Salmonella typhi
- Salmonella typhimurium
- Scenedesmus quadricauda
- Selenastrum gracile
- Serratia liquefaciens
- Serratia marcescens
- Stachybotrys atra
- Stachybotrys chartarum
- Staphylococcus aureus
- Staphylococcus epidermidis
- Streptococcus faecaliis
- Streptococcus pyrogenes
- Trichoderma flavus
- Trichophyton interdigitale
- Trichophyton mentagrophytes
- Trichosporon mucoides
- Vancomycin-resistant enterococci

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