



AT-1169-AM – AM VISION

Part of the **AlphaSAFE** Antimicrobial Line

TECHNICAL DATA SHEET

AM VISION is an easy to apply nano-ceramic finish that makes treated surfaces extremely slick/hydrophobic. It has excellent self-cleaning properties because dirt, ice or snow will not attach to the hydrophobic surface. The dry film is optically clear and therefore perfect for clear plastics, glass, and mirrored surfaces. It keeps surfaces clear, easy to clean, and prevents fogging. Once cured, it provides excellent UV protection and can withstand extreme hot and cold temperatures making it the perfect solution for protecting a wide variety of surfaces from weathering. AM VISION will significantly reduce friction and drag in water or air. Once cured, AM VISION is safe to use on food surfaces.

Proudly manufactured in the USA.

Technical Data

Color	Beige (Clear When Cured)
Viscosity	Pasty Liquid
Halogens	None
RoHS	Compliant
REACH	Compliant
Odor (liquid)	Mild
Ambient Dry Time	Climate Dependent
Estimated Coverage Rate (per gallon)	Automated – 3800 (350m ²)
	Manual – 3000 (275m ²)

Key Performance Properties

- Slick, fully hydrophobic, non-stick surface.
- Self cleaning.
- Anti-icing.
- UV resistance.
- Optically clear.
- Anti-fogging.
- Reduces drag and friction.
- Anti-corrosion.
- Effective in both hot and cold applications.
- Excellent adhesion to almost any surface.
- Thin application.
- Excellent coverage rate.
- Easily applied by wipe.
- Ambient cure, short dry time.
- May be applied in direct sunlight.
- Environmentally friendly.
- Approved as safe for use in and around USA waterways (if used as directed).
- Non-toxic (once cured). Safe for use on food preparation areas.
- RoHS and REACH compliant.

Common Applications

- UV Protection (automobiles, powder coatings, gel coats).
- Hydrophobic Surface Treatment (stainless steel appliances & other surfaces, solar panels).
- UV Protection and Reduced Drag (aircraft, boat hulls, race cars, drones, inflatable rafts, kayak, scuba equipment, swim fins).
- Anti-Fog (optical lenses, mirrors, window glass).
- Not recommended for use on textured surfaces.

Treated vs. Untreated Glass

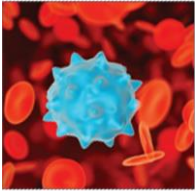


ALPHATEK ALPHASAFE – ANTIMICROBIAL ADDITIVE INFORMATION

PROTECTING LIFE'S SURFACES

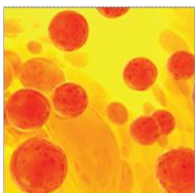
ALPHATEK MATERIALS IS A LEADING INNOVATOR IN ADVANCED MATERIALS, PERFORMANCE COATINGS, AND SURFACE DISINFECTION & SANITATION SOLUTIONS. ALPHATEK'S ANTIMICROBIAL SURFACE DISINFECTANT SPRAYS AND COATINGS COMBINE LEADING EDGE TECHNOLOGIES TO DISINFECT, SANITIZE, AND PROTECT NON-BIOLOGICAL SURFACES FROM 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

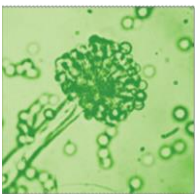
AlphaTek utilizes proprietary aerospace nano-ceramics to create a range of high-performance coatings. The nano-ceramic coatings covalently bond to almost any surface for long-term adhesion and extreme durability. AlphaTek's nano-ceramic coatings are low-VOC, easy to apply, and air cure under ambient 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

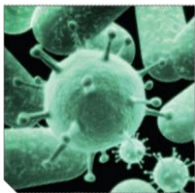
AlphaTek uses a powerful organosilicon-based antimicrobial additive that is an effective surface disinfectant and adds exceptional continuous bacteriostatic, fungistatic, and algistatic properties to coated surfaces. The antimicrobial is blended throughout the entire thickness of the coating for long-term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

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



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