



# (AT-1169-AM) AM VISION

Part of the **AlphaSAFE** Antimicrobial Line

APPLICATION INSTRUCTIONS

## 1. PRODUCT DESCRIPTION

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.

## 2. SURFACE PREPARATION

- Normally used on smooth surfaces.
- Most effective on metal, glass, plastic and acrylic surfaces.
- Intended surface (metals, plastics, other paints, or powder coatings) must be cool, clean, and free from oils, dirt, and any other previous contaminants.

## 3. MANUAL APPLICATION

*NOTE: As with any new material, always test application and finished properties on a low value test article or panel before working on valuable surfaces.*

1. Apply by spraying onto the surface. Do not over saturate.
    - a. 1-2ml per square foot = 1-3 trigger sprays per square foot
  2. Once wet, immediately take an AM Vision dampened cloth and wipe in a circular motion to cover all of the intended surface and work coating into the surface to fill all micro-pores or minute scratches, leaving behind a wet-looking beige film on the treated surface.
    - a. Do not let droplets or pools of AM Vision dry on surface.
  3. Allow the coating to “Dry to the Touch” completely, creating a dusty-looking beige film on the surface.
  4. Once “Dry to the Touch” the dusty beige film easily wipes off leaving a slick clear film on the surface.
- Surface can be recoated at any time as needed to achieve the desired results. Most applications require only 1 to 2 applications.
  - If food contact is expected, apply soapy water once the coating has been cured and buffed. Then rinse and wipe dry.
  - Coating will continue to become harder and more durable over time and when exposed to elevated temperatures.



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## 4. DRYING & CURING TIMES

<b>Solids</b>	28%
<b>Drying Time</b>	<ul style="list-style-type: none"><li>• Dry to the Touch in approximately 25-30 minutes at ambient temperatures.</li><li>• Warmer temperature (&lt;110°F   43°C) and/or increased airflow will improve dry time.</li><li>• <b>After dry, pieces can be handled, packed, stacked, etc, but need 12-24 hours to gain nano-ceramic durability features.</b></li><li>• <b>Antimicrobial properties are effective once Dry to the Touch.</b></li><li>• If the coated surface is to be immersed in water, allow at least 2 hours dry time for smaller vessels and at least 24 hours for larger boats before submerging in water.</li></ul>
<b>Curing Time</b>	<ul style="list-style-type: none"><li>• Useable ambient cured properties are obtained in approximately 12-24 hours after application at 75°F / 24°C or higher temperatures.</li><li>• Full cure nano-ceramic cross-linked in 5 days. Warmer temperatures (&lt;110°F   43°C) will improve full cure time.</li></ul>

## 5. COVERAGE RATE

@ Dry film thickness of 3 microns:

- Manual Spray Application: 2,000 – 3,000 square feet per gallon (49 – 74 square meters per liter)
- Automated Spray Application: 3,500 – 3,800 square feet per gallon (86 – 93 square meters per liter)

## 6. STORAGE STABILITY & SHELF LIFE

The shelf life is one year when stored in the original, unopened container. Store containers in a well-ventilated and covered area away from extreme heat and moisture. Contact your ALPHATEK representative if you have any questions about the products or its uses.

## 7. SAFETY

Refer to the Safety Data Sheet for this product prior to use.