

KEEPING PEOPLE AND PRODUCTS  
SAFE FOR 60 YEARS



# Nycote

LABORATORIES  
CORPORATION



## NYCOTE APPLICATIONS CASE STUDY

# NYSAFE VS. OMICRON

Nysafe High-Performance Anti-Viral Surface coatings are helping  
keep aircraft interiors safe from Viruses.



## **A NEW STUDY ON OMICRON: NYSAFE VS. OMICRON**

A new study determines SARS-CoV2 *Omicron variant can survive for 193.5 hours on plastic surfaces\**, which is longer than previous variants. It's ability to remain infectious might have helped Omicron replace Delta as the dominant variant and spread rapidly. The average survival times of the original strain and the Alpha, Beta, Gamma and Delta variants were 56 hours, 191.3 hours, 156.6 hours, 59.3 hours, and 114.0 hours, respectively. That compared to 193.5 hours for Omicron. \*Japanese researchers say the Omicron variant survives longer on plastic and skin than other COVID-19 variants).

## **WHY NYCOTE?**

Nycote Laboratories manufactures High Performance surface coatings trusted for decades for their ability to encapsulate parts and protect them from harsh environments. They have now manufactured a new high-performing surface coating with a safe antiviral additive that is highly effective in disrupting the SARS-CoV viruses. With the coating in place the viruses' ability to survive on the surfaces reduced by 84% after a 90-minute contact time. Which means that the coated surface had a viral reduction of 84% within 90 minutes. Further any coated surface can remain effective long-term.

Nysafe® is a transparent lightweight liquid nylon coating tested to actual SARS-CoV-2 Virus at a BioScience Level 4 Laboratory. We are currently working with aircraft interior companies to add our antiviral product to high-touch surfaces or to potentially include it in the additive manufacturing process.



## SAME TRUSTED NYCOTE PERFORMANCE, NOW WITH A NEW ANTIVIRAL ADDITIVE!

### **NYSAFE AV-900 BENEFITS**

- Antiviral and antimicrobial - tested effective at 90-minute contact time
- Tested effective to all known Bacteria
- Permanent Surface Coating
- Non-toxic and Metal free
- Cures pinhole-free and is self-leveling
- Resists Chemicals
- Scratch & Impact resistant
- Adheres to metals, plastics, & textiles
- Easy to apply by spray, brush, or dip
- Fast or forced curable
- Removable
- Custom tinting

Nysafe technology is a high-performance formulation used in harsh aircraft and space environments for the 60 years and is effective against multiple types of microbes. Nycote products are named in aircraft specifications because of their high performing capabilities in extreme environments and can handle extreme high and low temperatures. Nysafe technology ensures there are no voids in the coating. It will completely encapsulate surfaces, a unique formula from it's competitors, with hard, flexible, self-leveling, and pinhole-free technology.

## **NYSAFE OUTPERFORMS OTHER ANTIVIRAL COATINGS**

Nycote made this product because they saw a performance gap that their technology could fill. Other antiviral products on the market cannot withstand the rigorous cleaning being performed in real-world environments and therefore end up needing to be retreated again within hours, days, or weeks. Nysafe, however, resists a large array of industrial cleaners and other harsh chemicals, and it also protects high-value materials inside the aircraft from constant fogging and cleaning products. The base product has been approved for mission-critical aircraft and space applications for 60 years. It's well known as a long-lasting strong yet flexible coating resistant to abrasion, scratching, and chemical degradation.

### **LEARN MORE**

If you would like to learn more about protecting your high-touch surfaces with Nysafe, you can contact us at [sales@nycote.com](mailto:sales@nycote.com), or visit us online at: [nycote.com/nysafe-av-700/](https://nycote.com/nysafe-av-700/).





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*For samples, please see our website at [nycote.com/nysafe-av-700/](http://nycote.com/nysafe-av-700/)*

*If you need technical advice, please contact [sales@nycote.com](mailto:sales@nycote.com)*

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