



**Nycote** LABORATORIES  
CORPORATION

## THE LEADER IN COATINGS TECHNOLOGY

**Nycote® Laboratories Corporation is the only global advanced surface-coating manufacturer that can deliver unrivaled anti-corrosion protection technology for mission-critical systems.**

Nycote is a family-owned small business with the stability and heritage of 60 years of experience and the entrepreneurial mindset of a startup. Our proprietary formulations are clear, lightweight liquid nylon coatings that can be crosslinked with other polymers and additives to create superior protective performance by encapsulating mission-critical materials, parts, and mechanical systems. Nycote's next-gen technology adds value to your products with simple applications and sophisticated protection. We keep people and products safer and longer.

### NYCOTE COATINGS APPLICATIONS

#### AEROSPACE OEM & MRO

Electrical bondings, avionics, wire-harness assemblies, light housing, radomes, galley connectors, entertainment systems, corrosion prevention on identification plates, actuators, hydraulic systems, fuel systems, friction and wear, interior protections of textiles, plastics and metals.

#### MEDICAL

Medical devices, diagnostic equipment, medical textiles, high-touch metal, plastic and textile surfaces for microbial elimination and growth prevention.

#### RAIL SAFETY & CORROSION

Corrosion on emergency windows, doors, metal and rust from water collection, electrical systems, circuitry, electrical components, elements exposed to dirt, grease, and environmental elements, and microbial protection on interior high touch metals and plastics.

#### MARINE OXIDATION & CORROSION

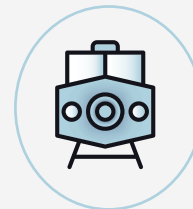
Ship Hull corrosion prevention above water line, communication equipment, electronic corrosion protection, high-touch microbial prevention, label and placard protection, and anything needing salt spray protection.

#### SPACE

Sealant over composite joints, vacuum bag seals, wire bundles, PCB's, space suits, material protection from AO, UV, fuels, and high and low temps.

#### AUTOMOTIVE

Corrosion protection on fasteners, metal and CF parts exposed to harsh environments, electrical systems, PCB's, wire bundles, electrical systems exposed to high heat and freezing temps, vibration/wear, materials and moving parts, interior, anti-microbial, and anti-viral protection.



## TRUSTED BY INDUSTRY LEADERS

Airbus, Boeing, Embraer, Fokker, Honeywell, Gulfstream, Lockheed Martin, Sierra Space, Safran, Jamco, Recaro, Proterra, Ratheon, Bombardier and more.

## PAST COLLABORATIONS

**AIRBUS:** Corrosion resistance and electrical system protection on all platforms, commercial and military.

**BOEING:** Corrosion resistance and electrical system protection on all platforms, commercial and military. Boeing R&T composite performance and aesthetic improvement.

**EMBRAER:** Corrosion resistance and electrical system protection on all platforms, commercial and military.

**SIERRA SPACE:** Composite reinforcements on vacuum pressure seals.

**RAYTHEON:** Anti-ballistic fuel bladder applications.

**LOCKHEED MARTIN:** Improve corrosion resistance on F-18 F-35 platforms.

**JAMCO:** Interior composites & textiles, developed a high-performance antiviral coating tested to SARS-CoV-2, fungus, S. Aureus, and Staphylococcus.

**INDAERO TECNIGRAB:** Aircraft interior textile protection over printed ink markings for full encapsulation of fiber and ink and to prevent fraying.

**M1 COMPOSITES:** Corrosion inhibitor for aircraft application. *AND MANY MORE...*

## APPROVED TESTING

Space outgassing, flame & toxic smoke, abrasion & wear, moisture & insulation, thermal shock, hydrolytic stability, flexibility, ASTM testing, electrical insulating compounds for printed wiring assemblies, dielectric withstanding voltage, adhesion, submersion to Skydrol, jet fuel, deicers, salt spray to 1000 hours and other further testing underway.

## UNDERSTANDING NYCOTE PRODUCT OFFERINGS



### NYCOTE 7-11 & 88

Nycote flagship formulation products 7-11 & 88 are a one & two-part cross-linked hybrid polymer.



### NYSAFE 700AV & 900AV

Derived from Nycote 7-11 and 99 with a safe and highly effective antiviral formulation tested to SARS-CoV-2, S. Aureus, Staphylococcus, fungus and other bacteria and pathogens.

### NYCOTE 99 ECO-SHIELD

Next generation chemical coating formulation based upon Nycote flagship 7-11 formula with lower VOC & updated chemicals.

### SURFACETRACE

A machine-readable protective surface coating embedded with an optical fingerprint.

### NYFORM

Our next gen protective conformal coating.

## PERFORMANCE

**Temperature Range:** -115° - 450° F (-81° - 230° C)

**ASTM Testing:** D2240 - Average Durometer Hardness (Shore A): 76 / D638 - Average Tensile Strength: 1.71 MPa  
D3418 - Glass Transition Temperature via DSC 7.69° C (45.842° F) / D149 - Average Dielectric Strength 1.06 kV/mm  
D257 - Average Surface Resistivity ( $\Omega$ /sq.cm): 3.82E+10 / Average Volume Resistivity ( $\Omega$ \*cm): 1.48E+11

**COMPANY INFORMATION:** NAICS Codes: 325211, 3255, 32551, 42295, 325, 3259 Cage Code: 05803 / DUNS: 06-667-0332 / ISO 9001:2015 and AS9100D Certified Quality Management System.

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