

## Procedures For Preparing Area Prior To Applying D-5082NS/ZC-082:

Always refer to the safety data sheet (SDS) prior to applying **D-5082NS/ZC-082** if you have safety or regulatory questions about the product.

Always wear gloves and protective eyewear to prevent **D-5082NS/ZC-082** from making contact with the skin and eyes.

Make sure there is proper airflow in the area where **D-5082NS/ZC-082** will be applied and always wear respiratory protection if there is low ambient air movement or when working in confined spaces.

Make sure there are no sparks, open flames, hot surfaces, or other heat and fire ignition sources in the area where **D-5082NS/ZC-082** will be applied.

Ensure that any primers, sealants, and other coatings are cured before applying **D-5082NS/ZC-082**.

Vacuum and wipe surfaces so that moisture and other foreign material that is on the surface are removed.

Clean surfaces with the following aliphatic naphtha based wipe solvents, such as **Sur-Prep® 3160**, **Sur-Prep® 3167**, and **D-5640NS/ZC-640**.



Mask areas that will not be coated with **D-5082NS/ZC-082**, such as electrical connectors, pins and joints in sliding surface contact, control cables, pulley and quadrant cable grooves, bushing and bearings for all types, which includes lined Teflon, silicone or rubber seals, high temperature areas that are above 200°F (93°C), wire bundles, lubricated surfaces (i.e. hydraulic actuator pistons), drain valves, and oxygen system components (i.e. bottles, pressure metering and indicating equipment and connections, ect).

## D-5082NS/ZC-082 Product Information and Benefits:

**D-5082NS/ZC-082** is a versatile, long-lasting, and water displacing corrosion preventive coating that prevents rust, and is self healing.

**D-5082NS/ZC-082** is an extremely effective corrosion preventive for the lubrication and protection of aircraft cables and lubricates and protects those components.

**D-5082NS/ZC-082** provides a tough and transparent film that is water displacing for use under the most severe corrosion conditions.

**D-5082NS/ZC-082** has a low toxicity level and is free of chromates and heavy metals.

**D-5082NS/ZC-082** prevents corrosion up to 2 years and parts coated with **D-5082NS/ZC-082** can be stored outside.

**D-5082NS/ZC-082** protects metal substrates from corrosion in severe salt spray environments, resists flow up to 175°F (79°C), does not flake, adheres firmly to metal surfaces, and is dry to touch within 2 hours.

# D-5082NS/ZC-082 Instruction Manual

## Removing D-5082NS/ZC-082:

D-5082NS/ZC-082 can be removed with Sur-Prep® 3160, Sur-Prep® 3167, or D-5640NS/ZC-640.

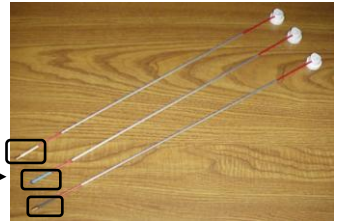
## Areas Where D-5082NS/ZC-082 Can Be Applied On:

D-5082NS/ZC-082 is intended for use on aircraft, aircraft cables, fuselages and wing sections (Preparing aircraft for storage or HMV (Heavy Maintenance Visits)), and metal substrates.

## Methods For Applying D-5082NS/ZC-082:

D-5082NS comes in aerosol packaging and can be applied via the following methods:

- \* Spraying
- \* **Formit®** Extension Wands-For use with all **Zip-Chem®** aerosols to reach difficult to access areas, such as stringer edges.



\* **Formit®** 360° Spray (White Tube) Wand

\* **Formit®** Fan Spray Spray (Blue Tube) Wand

\* **Formit®** 180° Spray (Black Tube) Wand

\* **Formit®** 360° Spray  
Application Video



\* **Formit®** Fan Spray  
Application Video



\* **Formit®** 180° Spray  
Application Video



ZC-082 comes in bulk containers and can be applied using airless, air assist, HVLP, and any other spray equipment used to apply paint and other coatings.

## Coverage Of One Aerosol Can of D-5082NS:

One aerosol can of D-5082NS can cover approximately 50 ft<sup>2</sup> (4.6 m<sup>2</sup>) of area.

## D-5082NS/ZC-082 Product Pictures and Zip-Chem® Product Packaging Part Numbers:

### D-5082NS/ZC-082

- \*Case of 12 of 16 fl oz (473 mL) Aerosols (**D-5082NS**)-002054
- \*Case of 4 each Gallon (4 each of 3.8 Liter) Cans (**ZC-082**)-009424
- \*5 Gallon (18.9 Liter) Pails (**ZC-082**)-002131
- \*55 Gallon (208 Liter) Drum (**ZC-082**)-002132
- \*Specialized forms of packaging available upon request (**ZC-082**)

### D-5640NS/ZC-640

- \*Case of 12 of 16 fl oz (473 mL) Aerosols (**D-5640NS**)-002070
- \*Case of 4 each Gallon (4 each of 3.8 Liter) Cans (**ZC-640**)-009430
- \*5 Gallon (18.9 Liter) Pails (**ZC-640**)-002155
- \*55 Gallon (208 Liter) Drum (**ZC-640**)-108181
- \*Specialized forms of packaging available upon request (**ZC-640**)

### Sur-Prep® 3160

- \*Case of 12 of 16 fl oz (473 mL) Aerosols-**010938**
- \*Case of 4 each Gallon (4 each of 3.8 Liter) Cans-**008578**
- \*5 Gallon (18.9 Liter) Pails-**008579**
- \*55 Gallon (208 Liter) Drum-**008580**
- \*Case of 6 Canisters of Towelettes-**100026**
- \*Case of 100 Individual Towelettes-**011844**
- \*Specialized packaging forms for customers

### Sur-Prep® 3167

- \*Case of 12 of 16 fl oz (473 mL) Aerosols-**103765**
- \*Case of 4 each Gallon (4 each of 3.8 Liter) Cans-**103762**
- \*5 Gallon (18.9 Liter) Pails-**103763**
- \*55 Gallon (208 Liter) Drum-**103764**
- \*Specialized forms of packaging available upon request

Gloves | Protective Eyewear | Aliphatic Naphtha Based Wipe

250 Masking Tape Tan (Can Be Certified TO SAE-AMS3721)

Respiration Equipment | Vacuum | Wiping Materials

Organic Vapor Cartridges | Spray Equipment | Ventilation Equipment

### Formit® Wands (12 Assemblies Per Package)

- \*Formit®-18-Fan-006224
- \*Formit®-18-180-006226
- \*Formit®-18-360-006227
- \*Formit®-18-STD-FOG-008352
- \*Formit®-18-90-FOG-008353
- \*Formit®-29-360-101321
- \*Formit®-36-360-009131
- \*Formit®-48-360 with metal sleeve-009132
- \*Formit®-48-360 without metal sleeve-100424
- \*Formit®-48-Fan-008460
- \*Formit® Sample Pack (3 each of Formit®-18-Fan, Formit®-18-180, Formit®-18-360, Formit®-18-STD-FOG-100107)



← \*ZC-082 1 Gallon (3.8 Liter) Cans (009424)

\*D-5082NS 16 Fluid Ounce (473 mL) Aerosol (002054) →



**Sur-Prep® 3160 NSN:** 6850-01-633-9843 (16 fl oz (473 mL) Aerosol); **D-5640NS NSN:** 8030-01-597-6958 (16 fl oz (473 mL) Aerosol)

**Formit® NSN's:** 4730-01-612-9914, NSN: 4730-01-661-8773 (**Formit®-18-Fan**); 6850-01-492-2942 (**Formit®-18-360**); 4730-01-632-0156 (**Formit®-18-STD-FOG**); 1560-01-658-8943 (with metal sleeve), 4730-01-659-5461 (without metal sleeve) (**Formit®-48-360**); 4730-01-632-0157 (**Formit®-48-Fan**)

For application questions regarding **D-5082NS/ZC-082**, contact **Zip-Chem® Aviation Products** at (1) 408 782 2335 or zipchem@addevmaterials.com.