

Procedures For Preparing Area Prior To Applying D-5029NS/ZC-029:

- 1.) Always refer to the safety data sheet (SDS) prior to applying **D-5029NS/ZC-029**.
- 2.) Always wear gloves and protective eyewear to prevent **D-5029NS/ZC-029** from making contact with the skin and eyes.
- 3.) When working with atomized version of **D-5029NS/ZC-029**, make sure there is proper airflow in the area where **D-5029NS/ZC-029** will be applied and always wear a half-face mask with organic vapor cartridges if there is low ambient air movement or when working in confined spaces.
- 4.) Make sure there are no sparks, open flames, hot surfaces, or other heat and fire ignition sources in the area where **D-5029NS/ZC-029** will be applied.
- 5.) Ensure that any primers, sealants, and other coatings are cured before applying **D-5029NS/ZC-029**.
- 6.) Vacuum and wipe surfaces so that moisture and other foreign material that is on the surface are removed.
- 7.) Clean surfaces with the following aliphatic naphtha based wipe solvents, such as **Sur-Prep® 3160**, **Sur-Prep® 3167**, and **D-5640NS/ZC-640**.



- 8.) Mask areas that will not be coated with **D-5029NS/ZC-029**, 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-5029NS/ZC-029 Product Information and Benefits:

- 1.) **D-5029NS/ZC-029** is a long lasting, high solids, low volatiles, high penetration, and water displacing corrosion inhibiting compound that is non-tacky with a light amber tint, a detectable film, a very low dry weight film, and can be removed by solvents.
- 2.) **D-5029NS/ZC-029** has > 1500 hours salt spray on aluminum (Al), is fast drying has high solids of >51%.
- 3.) **D-5029NS/ZC-029** exhibits no cracking and flaking up to -40°F (-40°C).
- 4.) **D-5029NS/ZC-029** has a low toxicity level and is free of chromates and heavy metals.

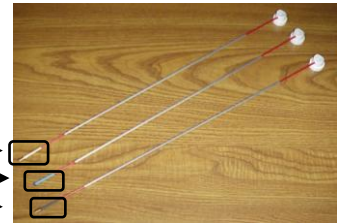
Methods For Applying D-5029NS/ZC-029:

- 1.) **D-5029NS** 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.

Methods For Applying D-5029NS/ZC-029 (Continued From Page 1):

1.)

- * **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**

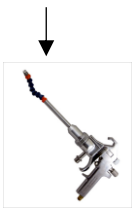


* **Formit® 180° Spray Application Video**



2.) **ZC-029** comes in bulk containers and can be applied using airless or air operated spray equipment.

Airverter Spray Gun



Airless and Air Assisted Spray Equipment



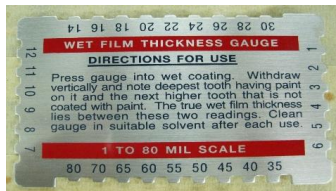
Areas Where D-5029NS/ZC-029 Should Be Applied:

D-5029NS/ZC-029 should be applied on high profile aircraft substrates.

Measuring Wet Film Thickness With D-5029NS/ZC-029:

1.) D-5029NS/ZC-029 should be applied at a wet film thickness of 2-3 mils (51 to 76 microns) .

2.) The wet film thickness of **D-5029NS/ZC-029** can be measured with the **Wet Film Thickness Gauge** that is shown below.



3.) To measure the wet film thickness of **D-5029NS/ZC-029** , using protection for your hand, push the **Wet Film Thickness Gauge** into the **D-5029NS/ZC-029** after it has been allowed to flow for a few minutes. This wet film thickness can be determined by examining wet film visible tracks left by the gauge finders. The process of measuring the film thickness is shown below.



Part of



D-5029NS/ZC-029 Instruction Manual

D-5029NS/ZC-029 Product Pictures and Zip-Chem® Product Packaging Part Numbers:

D-5029NS/ZC-029

- *Case of 12 of 16 fl oz (473 mL) Aerosols (**D-5029NS**)-002050
- *Case of 4 each Gallon (4 each of 3.8 Liter) Cans (**ZC-029**)-009422
- *5 Gallon (18.9 Liter) Pails (**ZC-029**)-002109
- *55 Gallon (208 Liter) Drum (**ZC-029**)-002110
- *Specialized forms of packaging available upon request

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**)

Wet Film Thickness Gauge

- * 100266

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

Respiration Equipment | Aliphatic Naphtha Based Wipe Solvent

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 | Spray Equipment

Organic Vapor Cartridges | Vacuuming 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)



← * 1 Gallon (3.8 L) Cans (009422)



← * 16 Fluid Ounce (473 mL) Aerosol (002050)

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-5029NS/ZC-029**, contact **Zip-Chem® Aviation Products** at (1) 408 782 2335 or zipchem@addevmaterials.com.



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