

Safety Steps and Procedures To Follow Prior To Applying Cor-Ban® 22:

- 1.) Always refer to the safety data sheet (SDS) prior to applying **Cor-Ban® 22** if you have any questions regarding the following information about this product.
 - * Hazardous ingredients
 - * First Aid Measures
 - * Exposure Control and Personal Protection
 - * Toxicological Information
 - * Other regulatory questions
- 2.) Always wear gloves, a protective suit, an apron, boots, and goggles to prevent **Cor-Ban® 22** from making contact with the skin and eyes.
- 3.) When working with atomized version of **Cor-Ban® 22**, always wear a half-face mask with organic vapor cartridges if there is low ambient air movement or when working in confined spaces.
- 4.) Avoid direct exposure to the propellant in the **Cor-Ban® 22** aerosol as it may cause injury to the skin including frostbite.
- 5.) Make sure there is proper airflow in the area where **Cor-Ban® 22** will be applied.
- 6.) Make sure there are no sparks, open flames, hot surfaces, or other heat and fire ignition sources in the area where **Cor-Ban® 22** will be applied.
- 7.) Keep **Cor-Ban® 22** away from any combustible materials or sources.
- 8.) Wear a respirator to prevent inhalation of fumes from **Cor-Ban® 22** especially if the ventilation in the area where **Cor-Ban® 22** will be applied is insufficient.
- 9.) Ensure that any primers and other coatings are cured before applying **Cor-Ban® 22**.
- 10.) Prior to applying **Cor-Ban® 22**, always cure sealants according to the instructions established by the manufacturer.
- 11.) Minor surface imperfections, such as chipped and missing paint or primer and minor surface corrosion can be coated as long as the substrate is structurally sound and follow up inspections for those surfaces are performed periodically.
- 12.) Vacuum and wipe surfaces so that moisture and other foreign material that is on the surface can be removed.
- 13.) Clean surfaces with the following aliphatic naphtha based wipe solvents, such as **Sur-Prep® 3160**, **Sur-Prep® 3167**, and **D-5640NS/ZC-640**.



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Areas To Mask Prior To Applying Cor-Ban® 22:

1.) Mask areas that will not be coated with **Cor-Ban® 22**, 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
- * Oxygen System Components (i.e. bottles, pressure metering and indicating equipment and connections, ect)



Methods For Applying Cor-Ban® 22:

1.) **Cor-Ban® 22** can be applied using:

- * HVLP Guns
- * Airless Spray Equipment
- * Aerosol Cans
- * **Formit®** Extension Wands-For use with all **Zip-Chem®** aerosols to reach difficult to access areas, such as stringer edges.

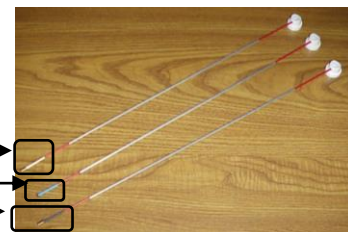
* HVLP Gun



* **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



Cor-Ban® 22 Appearance Standards:

Cor-Ban® 22 should be continuous and free of voids. Runs drips, sags, etc, are allowed provided that the drain holes and cross drains for where **Cor-Ban® 22** should drain out of are not blocked. If the drain holes or cross drains become blocked, then wipe up the excess **Cor-Ban® 22** using clean, dry gauze or rags.

When applied properly, **Cor-Ban® 22** will exhibit a waxy, self-healing, and water displacing coating that lasts a long time.

Temperature For Applying Cor-Ban® 22

Cor-Ban® 22 should be applied at a temperature between 40°F and 100°F (4°C and 38°C).

Cor-Ban® 22 Product Information and Benefits:

- 1.) **Cor-Ban® 22** is a maximum penetrating, heavy duty, soft, and self healing coating that is based on the **Cor-Ban® 27L** corrosion inhibiting compound (CIC).
- 2.) **Cor-Ban® 22** is a military approved CIC for stopping corrosion on pre-corroded metal parts and is preferred for routine maintenance.
- 3.) **Cor-Ban® 22** has a highly penetrating formula for delivering the corrosion protection of **Cor-Ban® 27L** into faying surfaces.
- 4.) **Cor-Ban® 22** lasts a long time, is free of chromates and heavy metals, and has a low toxicity level along with a detectable and non-sagging film that is removable film that is removable with solvents.
- 5.) **Cor-Ban® 22** displaces water and **does not** flake or crack to -60 °F (-51°C).
- 6.) Paste application of **Cor-Ban® 22** is available as **Cor-Ban® 27L**.



Areas Where Cor-Ban® 22 Should Be Applied:

1.) **Cor-Ban® 22** should be applied on:

- * Pre-Existing Corroded Areas and Areas That Are Prone To Corrosion
- * Landing Gear Equipment Not Primed Or Top Coated (Boggies, ect)
- * Hardware Not Primed Or Top Coated (Includes Miscellaneous)
- * Metal Parts (Steel Bores of Horizontal Pivot Shafts)
- * Lavatories
- * Seat Tracks
- * Floor Beams
- * Anchor Nuts
- * Threaded Fasteners



← Floor Beams



← Lavatory



← Corroded Areas

Procedures For Applying Cor-Ban® 22:

- 1.) Focus the application process of **Cor-Ban® 22** on all faying surfaces to ensure joint penetration before coating an entire area and moving on to the next section.
- 2.) Use the **Formit® 18-360** wand to internally coat box and tube sections with the **Cor-Ban® 22** aerosol.
- 3.) Inspect the surface for proper coating under stringers, formers, and other structures that are not in the line of sight.



Quickly wipe up extremely thick areas or puddles with solvents that are listed in the removal instructions on the next page.



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Methods For Removing Cor-Ban® 22:

1.) Remove **Cor-Ban® 22** can be removed by wiping off that excess material and flushing the part or wiping that part with a rag that is soaked with an aliphatic naphtha based wipe solvents or its equivalents. **Cor-Ban® 22** can also be removed with a rag soaked with corrosion preventive compound/corrosion inhibiting compound removers, such as:

- * **Sur-Prep® 3160**
- * **Sur-Prep® 3167**
- * **D-5640NS/ZC-640**
- * **Zip-Strip™ 125M**



Thickness For Cor-Ban® 22 Including Tips For Measuring That Thickness:

Cor-Ban® 22 should have a wet film thickness of 1.0 to 1.5 mils (25 to 38 microns). For measuring the wet film thickness of **Cor-Ban® 22**, use protection for your hand so that you can push **Zip-Chem®**'s **Wet Film Thickness Gauge** as shown below into the **Cor-Ban® 22** material via hand after the **Cor-Ban® 22** has been allowed to flow for a few minutes.



Wet Film Thickness Gauge Fingers



The thickness of the **Cor-Ban® 22** can be determined by the visible tracks in the wet film that are left by the gauge fingers of the **Wet Film Thickness Gauge** as shown in the picture to the right of the **Wet Film Thickness Gauge** image. The dry film thickness of **Cor-Ban® 22** may be verified using paint thickness instruments.

Cor-Ban® 22 Product Pictures and Zip-Chem® Product Packaging Part Numbers:

1.) Focus the application process of **Cor-Ban® 22** on all faying surfaces to ensure joint penetration before coating an entire area and moving on to the next section.

Cor-Ban® 22 (Liquid Form For Cor-Ban® 27L)

- *Case of 12 of 16 fl oz (473 mL) Aerosols-**007047**
- *Case of 24 of 4 fl oz (118 mL) Aerosols-**103734**
- *Case of 4 each Gallon (4 each of 3.8L) Cans-**009400**)
- *5 Gallon (18.9 Liter) Pails-**007049**
- *55 Gallon (208 Liter) Drum-**007050**
- *Specialized forms of packaging available upon request

Gloves | Apron | Goggles | Protective Suit | Boots | Face Mask

Zip-Strip™ 125M

- *Case of 12 of 16 fl oz (473 mL) Aerosols-**102614**
- *Case of 4 each Gallon (4 each of 3.8L) Cans-**102608**
- *5 Gallon (18.9 Liter) Pails-**102609**
- *55 Gallon (208 Liter) Drum-**102610**
- *Specialized forms of packaging available upon request

Cor-Ban® 27L (Paste Form For Cor-Ban® 22)

- *Case of 12 of 5 fl oz (148 mL) Tubes-**009402**
- *Case of 12 of 6 fl oz (177 mL) Semco® Cartridges-**009403**
- *Case of 12 of 14 fl oz (414 mL) Grease Cartridges-**009873**
- *Case of 12 each Quart (946 mL)-**009405**
- *Case of 12 each Pint (473 mL) Cans-**009404**
- *Case of 4 each Gallon (4 each of 3.8 Liter) Cans-**009406**
- *5 Gallon (18.9 L) Pail-**002099**
- *Specialized forms of packaging upon request

Sur-Prep® 3167

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

Cor-Ban® 22 Product Pictures and **Zip-Chem®** Product Packaging Part Numbers continued on next page



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Cor-Ban® 22 Product Pictures and Zip-Chem® Product Packaging Part Numbers:

Cor-Ban® 22 Product Pictures and Zip-Chem® Product Packaging
Part Numbers Continued From page 4

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 3.8L) Cans (**ZC-640**)-009430
- *5 Gallon (18.9 Liter) Pails (**ZC-640**)-002155
- *55 Gallon (208 Liter) Drum (**ZC-640**)-008181
- *Special forms of packaging available upon request (**ZC-640**)

organic vapor cartridges | Airless Spray Equipment

Sur-Prep® 3160

- *Case of 12 of 16 fl oz (473 mL) Aerosols-010938
- *Case of 4 each Gallon (4 each of 3.8L) 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

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)

Wet Film Thickness Gauge

*100266

HLVP Gun

Aliphatic Naphtha Based Wipe Solvents
or the Equivalent

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

Tin Foil

Note: The Semco® Cartridge is a registered trademark of PPG Aerospace.



← *1 Gallon (3.8 Liter) Cans



← *16 Fluid Ounce (473 mL) Aerosol NSN 8030-01-523-4290

Additional Cor-Ban® 22 NSN: 8030-01-531-7352 (5 Gallon (18.9 Liter) Pail)

Cor-Ban® 27L NSN's: 6850-01-469-7645 (Quart (946 mL)), 8030-01-531-7357 (5 fl oz. (148 mL) Tube), 8030-01-531-7355 (6 fl oz. (177 mL) Semco® Cartridge)

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)

Zip-Strip™ 125M NSN's: 6850-01-695-8514 (5 Gallon (18.9 Liter) Pail), 6850-01-707-8887 (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**); 6850-01-517-0963 (**Formit®-18-90-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 **Cor-Ban® 22**, contact **Zip-Chem® Aviation Products** at (1) 408 782 2335 or zipchem@addevmaterials.com.



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