Cor-Ban® 23 Undyed Instruction Manual

Safety Steps To Follow Prior To Applying Cor-Ban® 23 Undyed:

1.) Always refer to the safety data sheet (SDS) prior to applying **Cor-Ban® 23 Undyed** if you have any questions regarding the following information about this product.
* Hazardous Ingredients
* First Aid Measures
* Personal Protection (Controlling Exposure, ect)
* Toxicological Information
* Regulatory and other questions you may have about this product

2.) Always wear chemical resistant gloves, a protective suit, an apron, boots, a respirator, a half-face mask with organic vapor cartridges, and goggles to prevent **Cor-Ban® 23 Undyed** from making contact with the skin and eyes and from inhaling fumes especially if the ventilation where **Cor-Ban® 23 Undyed** is applied is insufficient and if **Cor-Ban® 23 Undyed** is atomized.

3.) Make sure there is proper airflow in the area where **Cor-Ban® 23 Undyed** will be applied.

4.) Make sure there are no combustible materials or sources, sparks, open flames, hot surfaces, or other heat and fire ignition sources in the area where **Cor-Ban® 23 Undyed** will be applied.

Procedures To Follow Prior To Applying Cor-Ban® 23 Undyed:

1.) Make sure that primers are cured prior to applying **Cor-Ban® 23 Undyed**.

2.) Make sure that any sealants that are applied in a given area are cured according to the recommendations and instructions of the manufacturer prior to applying **Cor-Ban® 23 Undyed**.

3.) Vacuum and wipe surfaces so that moisture and other foreign material that is on them can be removed.

4.) Vacuum and/or wipe surfaces as necessary to remove moisture and other excessive foreign material from surfaces that will be coated with **Cor-Ban® 23 Undyed**. Solvents that can be used for cleaning those surfaces include:
* **Sur-Prep 3167**
* **Sur-Prep 3160**
* **D-5640NS / ZC-640**

Do not use Isopropyl alcohol and acetone to wipe and clean the surface.













5.) If the sprayed form of **Cor-Ban® 23 Undyed** shows fisheyes, separations, or anything that prevents it from being homogeneous and free of voids, then the surface is not clean and needs to be vacuumed and/or wiped again.

ZIP® CHEM Part of & ADDEV MATERIALS

Cor-Ban® 23 Undyed Instruction Manual

Masking Procedures To Follow Prior To Applying Cor-Ban® 23 Undyed:

1.) Mask areas that will not to be coated, 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
* Wire Bundles
* Lubricated Surfaces (i.e Hydraulic Actuator Pistons)
* Drain Valves
* Oxygen System Components (i.e. Bottles, Pressure Metering and Indicating Equipment and Connections)



Methods For Applying Cor-Ban® 23 Undyed:

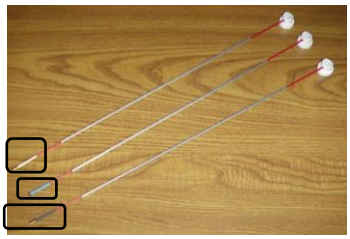
1.) Use the following equipment for applying **Cor-Ban® 23 Undyed**.

* 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 stinger edges.

HLVP Gun



Formit® 360° Spray (White Tube), Fan Spray Spray (Blue Tube), 180° Spray (Black Tube) Wands



* **Formit®** 360° Spray (White Tube) Wand
* **Formit®** Fan Spray Spray (Blue Tube) Wand
* **Formit®** 180° Spray (Black Tube) Wand

Formit® 360° Spray Demonstration Video



Formit® Fan Spray Demonstration Video



Formit® 180° Spray Demonstration Video



Areas Where Cor-Ban® 23 Undyed Should Be Applied:

1.) Cor-Ban® 23 Undyed should be applied on:

* Upper Edge Floor Beams
* Wheel Wells
* Pressure Deck
* Center Wing Sections
* High Profile Aircraft Substrates



Wheel Well

Center Wing Section



Cor-Ban® 23 Undyed Instruction Manual

Cor-Ban® 23 Undyed Product Information and Benefits:

Cor-Ban® 23 Undyed is a long lasting, high penetrating and water displacing corrosion inhibiting compound (CIC) that is clear and transparent and contains a very low dry film weight of <0.4 mil (10 microns) required to surpass specification. **Cor-Ban® 23 Undyed** has a low toxicity level and is free of chromates and heavy metals. **Cor-Ban® 23 Undyed** will not crack nor flake in temperatures as low as -65˚F (-54˚C). **Cor-Ban® 23 Undyed** also has a fast drying and non-tacky film that does not sag. **Cor-Ban® 23 Undyed** can withstand salt spray for >3000 hours.

Tips For Applying Cor-Ban® 23 Undyed:

Cor-Ban® 23 Undyed is a non-decorative coating with a very light amber appearance. Focus the application process of **Cor-Ban® 23 Undyed** on all faying surfaces to ensure joint penetration. Once **Cor-Ban® 23 Undyed** has been focused on faying surfaces, then coat the entire area before moving on to the next section.

Inspect the surface for proper coating under stringers, formers, and other structures that are not in the line of sight.







The applied **Cor-Ban® 23 Undyed** coating 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® 23 Undyed** should drain out of are not blocked. If the drain holes or cross drains become blocked, then wipe up the excess **Cor-Ban® 23 Undyed** using clean, dry gauze or rags.

The **Cor-Ban® 23 Undyed** material will exhibit slight sags or wavy material lines on inclined surfaces in some situations. Immediate attention with a paint brush, however, will eliminate thick runs and sags. Extremely thick areas or puddles need to be wiped up quickly using solvents that are listed below in the removal instructions.

Tips For Drying Cor-Ban® 23 Undyed:

1.) **Cor-Ban® 23 Undyed** typically will dry to a hard, tack free film in 45 minutes to 2 hours. These dry times should be accurate provided that adequate ventilation was utilized and that the **Cor-Ban® 23 Undyed** material was applied within the thickness range that was called out in the paragraph for the thickness that the dry material of **Cor-Ban® 23 Undyed** should be applied at under the Tips For Measuring The Thickness of **Cor-Ban® 23 Undyed** section. The speed at which **Cor-Ban® 23 Undyed** dries and cures at is also influenced by:
 * Temperature
 * Humidity

2.) In some areas of application, the **Cor-Ban® 23 Undyed** coating should be cured sufficiently to prevent it from being transferred if it comes into contact with products and surfaces, such as insulation blankets.

Temperature For Applying Cor-Ban® 23 Undyed:

The temperature that **Cor-Ban® 23 Undyed** needs to be applied at should fall between 40°F and 100°F (4°C and 38°C).

Cor-Ban® 23 Undyed Instruction Manual

Methods For Removing Cor-Ban® 23 Undyed:

1.) Cor-Ban® 23 Undyed can be removed with an aliphatic naphtha based wipe solvent or its equivalents. **Cor-Ban® 23 Undyed** can also be removed with corrosion preventive compound/corrosion inhibiting compound removers, such as:

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

2.) Cured **Cor-Ban® 23 Undyed** can be removed with:

* **Sur-Prep® 3160**
* **Sur-Prep® 3167**
* **Zip-Strip™ 125M**















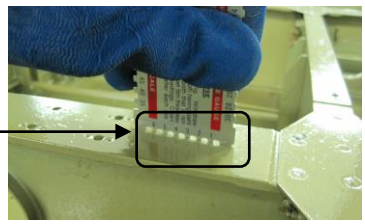


Thickness For Cor-Ban® 23 Undyed Including Tips For Measuring That Thickness:

The application thickness of **Cor-Ban® 23 Undyed** should be approximately 0.75 to 1.0 mils (19-25 microns) wet and 0.50 mils (13 microns) dry. For measuring the wet film thickness of **Cor-Ban® 23 Undyed**, use protection for your hand so that you can push **Zip-Chem®** 's **Wet Film Thickness Gauge** as shown below into the **Cor-Ban® 23 Undyed** material via hand after the **Cor-Ban® 23 Undyed** has been allowed to flow for a few minutes.



Wet Film Thickness Gauge Fingers →



The thickness of the **Cor-Ban® 23 Undyed** 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® 23 Undyed** may be verified using paint thickness instruments.

Cor-Ban® 23 Undyed Instruction Manual

Cor-Ban® 23 Undyed Product Packaging Pictures, Zip-Chem® Product Packaging Part Numbers, and Other Materials To Purchase:

Cor-Ban® 23 Undyed
*Case of 12 fl oz (355 mL) Aerosols-**100848**
*Case of 4 each Gallon (4 each of 3.8 Liter) Cans-**100847**
*5 Gallon (18.9 Liter) Pail-**101013**
*55 Gallon (208 Liter) Drum-**101428**
*Specialized forms of packaging available upon request

Gloves	Suit	Apron	Boots	Organic Vapor Cartridges

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 forms of packaging available upon request

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

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

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)**

Wet Film Thickness Gauge *100266	Airless Spray Equipment	Goggles
250 Masking Tape Tan (Can Be Certifiied TO SAE-AMS3721)		HVLP Guns
Tin Foil	Face Mask	Respirator

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**

Aliphatic Naphtha Based Wipe Solvents or equivalent



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

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® 23 Undyed**, contact **Zip-Chem® Aviation Products** at (1) 408 782 2335 or zipchem@addevmaterials.com.

ZIP® CHEM Part of & ADDEV MATERIALS