Cor-Ban® 35 Instruction Manual

Safety Steps and Procedures To Follow Prior To Applying Cor-Ban® 35:

1.) Always refer to the safety data sheet (SDS) prior to applying **Cor-Ban® 35** if you have any questions regarding regulatory information about this product.

2.) Always wear gloves, a protective suit, an apron, boots, and goggles to prevent **Cor-Ban® 35** from making contact with the skin and eyes.

3.) Make sure there is proper airflow in the area where **Cor-Ban® 35** will be applied.

4.) Make sure there are no sparks, open flames, hot surfaces, or other heat and fire ignition sources in the area where **Cor-Ban® 35** will be applied.

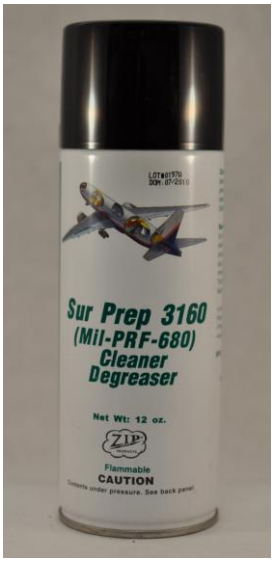
5.) Keep **Cor-Ban® 35** away from any combustible materials or sources.

6.) Wear a respirator to prevent inhalation of fumes from **Cor-Ban® 35** especially if the ventilation in the area where **Cor-Ban® 35** will be applied is insufficient.

7.) Cure sealants to recommendations set by the manufacturer prior to applying **Cor-Ban® 35**.

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

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













ZIP® CHEM Part of & ADDEV MATERIALS

Cor-Ban® 35 Instruction Manual

Areas To Mask Prior To Applying Cor-Ban® 35:

1.) Mask areas that will not to be coated, such as:
* Electrical Connectors
* Pins In Sliding Surface Contact
* 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
* Drain Valves
* Oxygen System Components (i.e. Bottles, Pressure Metering and Indicating Equipment and Connections)



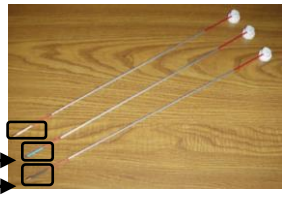
Methods For Applying Cor-Ban® 35:

1.) Use the following equipment for applying **Cor-Ban® 35**.
* HVLP Guns
* Airless Spray Equipment
* Aerosol
* **Formit®** Extension Wands-For use with all **Zip-Chem®** aerosols to reach difficult to access areas, such as stinger edges.

HLVP Gun



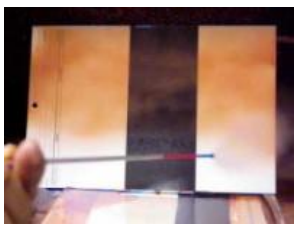
* **Formit®** 360° Spray (White Tube) Wand
* **Formit®** Fan Spray Spray (Blue Tube) Wand
* **Formit®** 180° Spray (Black Tube) Wands



Formit® 360° Spray Demonstration Video



Formit® Fan Spray Demonstration Video



Formit® 180° Spray Demonstration Video



Temperature For Applying Cor-Ban® 35:

1.) The temperature that **Cor-Ban® 35** needs to be applied at should fall between 40°F and 100°F (4°C and 38°C).

Cor-Ban® 35 Product Information

1.) Cor-Ban® 35 is ahigh solids, low volatile, high penetration, water displacing, and long lasting non-decorative coating with a salmon pink tint and has a very low dry film weight of < 1 mil (25 microns).

2.) Cor-Ban® 35 is free of chromates, heavy metals, and has a low toxicity and VOC level

3.) Cor-Ban® 35 dries quickly and has a film that is thin, detectable, non-sagging, and thixotropic

ZIP® CHEM Part of & ADDEV MATERIALS

Cor-Ban® 35 Instruction Manual

Cor-Ban® 35 Features and Benefits (Continued From Page 2):

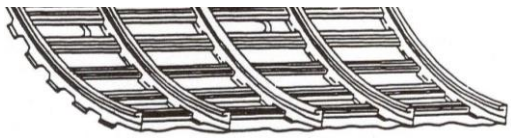
4.) Cor-Ban® 35 surpasses >2000 hours of salt spray, is removable by solvents, and has long lasting corrosion inhibiting properties

5.) Cor-Ban® 35 does not crack or flake in environments as low as – 40°F (-40°C).

Areas Where Cor-Ban® 35 Should Be Applied:

1.) Cor-Ban® 35 should be applied on:

* Any Faying Surface
* Stingers
* Formers
* Upper Edge Floor Beams
* Wheel Wells
* Pressure Deck
* Center Wing Sections
* Interior Fuselage
* Landing Gear Wells





Stinger

Tips For Applying Cor-Ban® 35:

Focus the application process of **Cor-Ban® 35** on all faying surfaces to ensure joint penetration and then 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® 35** 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® 35 should drain out of** are not blocked. If the drain holes or cross drains become blocked, then wipe up the excess **Cor-Ban® 35** using clean, dry gauze, or rags.

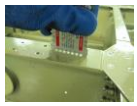
The **Cor-Ban® 35** material will exhibit slight sags or wavy material lines on inclined surfaces in some situations. Immediate attention with a paint brush, however, will eliminate thick runs and sags. Extremely thick areas or puddles need to be wiped up quickly using solvents that are listed below in the removal instructions.

Thickness For Cor-Ban® 35 Including Tips For Measuring That Thickness:

The application thickness of **Cor-Ban® 35** should be approximately 1.0 to 1.5 mils (25-38 microns) wet and .75 mils (19 microns) dry. For measuring the wet film thickness of **Cor-Ban® 35**, use protection for your hand so that you can push **Zip-Chem®** 's **Wet Film Thickness Gauge** as shown below into the **Cor-Ban® 35** material via hand after the **Cor-Ban® 35** has been allowed to flow for a few minutes.

The thickness of the **Cor-Ban® 35** can be determined by the visible tracks in the wet film that are left by the gauge fingers of the **Wet Film Thickness Gauge**. The dry film thickness of **Cor-Ban® 35** may be verified using paint thickness instruments.





Tips For Drying Cor-Ban® 35:

1.) Cor-Ban® 35 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® 35** material was applied within the thickness range that was called out in the paragraph for the thickness that the dry material of **Cor-Ban® 35** should be applied at under Tips For Measuring The Thickness of **Cor-Ban® 35** section. The speed at which **Cor-Ban® 35** dries and cures at is also influenced by:

* Temperature
* Humidity

ZIP® CHEM Part of & ADDEV MATERIALS

Cor-Ban® 35 Instruction Manual

Methods For Removing Cor-Ban® 35:

1.) Cor-Ban® 35 can be removed with an aliphatic naphtha based wipe solvent s or its equivalents. **Cor-Ban® 35** 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® 35 can be removed with:

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

















Cor-Ban® 35 Instruction Manual

Cor-Ban® 35 Product Pictures, Zip-Chem® Product Packaging Part Numbers, and Other Materials To Purchase:

Cor-Ban® 35
*Case of 12 of 16 fl oz (473 mL) Aerosols-**004675**
*Case of 12 of 8 oz (227 gram) Brush In Cap-**010884**
*Case of 12 each Quart (946 mL)-**009408**
*Case of 4 each Gallon (4 each of 3.8 Liter) Cans-**009409**
*5 Gallon (18.9 Liter) Pail-**002104**
*55 Gallon (208 Liter) Drum-**002105**
*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

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)**

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 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

Wet Film Thickness Gauge
***100266**

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

Tin Foil

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 Liter) Cans

NSN: 8030-01-615-4740 (Gallons (3.8 Liters))
NSN: 8030-01-659-2958 (1 Gallon) (3.8 Liters))



*16 Fluid Ounce (473 mL) Aerosol

NSN: 6850-01-492-2932
NSN: 8030-01-531-7358

Additional Cor-Ban® 35 NSN's: 8030-01-531-7360 (5 Gallons (18.9 Liter)), 8030-01-615-4737 (Quart (946 mL)), NSN: 8030-01- 615-4733 (8 oz (227 gram) Brush In Cap)

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

Part of ADDEV MATERIALS