

**AEROLON™**  
MULTI-SURFACE COATINGS

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## AEROLON CLEARCOAT APPLICATION PROCESS

Document ID: ACC-SDS Rev.04 / June 1, 2018

### STAGE 1: INSPECTION

Before commencing the Aerolon Clearcoat application process on a used aircraft a full visual inspection of the aircraft must be carried out. Start the visual inspection of the entire aircraft airframe from the radome in the direction of the empennage. The inspection should always be performed from top to bottom, preferably in a well illuminated hangar to detect all paint and surface defects. All major paintwork damage, dents, cracks, etc. must be communicated to the aircraft supervisor to take the appropriate actions before the Aerolon Clearcoat application commences. If the aircraft is new or if the aircraft has been re-painted, carry out a full visual inspection of the aircraft to detect that there is no over spray left, swirls or polish residue.

### STAGE 2: PROTECTION

The aircraft must be protected in accordance with the Aircraft Maintenance Manual for each type of aircraft. The supervisor shall be responsible for preparing the aircraft. All static ports, pitot tubes, air vents, static wicks, etc. must be properly covered or protected before commencing the Aerolon Clearcoat application procedure.

### STAGE 3: CLEANING

The entire aircraft airframe needs to be cleaned accordingly to remove all traces of fuel, grease, grime, salt, silicone residues and wax. Only AMM approved products and tools shall be used to perform this task.

## STAGE 4: REPAIR AND DE-OXIDIZING OF THE AIRCRAFT PAINTED SURFACES

After assessing the state of the paintwork, if the result is unsatisfactory, a restoration and de-oxidization procedure needs to be performed before commencing the application. Before going ahead with the application of the Aerolon Clearcoat, an inspection should be carried out to see if there is any part of the aircraft that needs to be re-sprayed due to excess damage on the paint or if any small touch ups are required on the rivets or stress lines of the aircraft that might have occurred due to the de-oxidization of the aircraft.

## STAGE 5: RINSING / WIPE DOWN AIRCRAFT

Once the painted surfaces of the aircraft have been restored and de-oxidized, an aircraft rinse or wipedown is recommended to remove any dust or residue that might have settled on the airframe. The aircraft is then cleaned and prepared for the next stage of the Aerolon application.

## STAGE 6: AEROLON CLEARCOAT APPLICATION

After the aircraft has been totally re-checked, the Aerolon Clearcoat procedure is as follows:

### **Hand Application:**

1. Apply with cotton or foam applicators to a small section at a time.
2. Hand rub until desired polishing results are achieved, then spread an even coat and allow to dry.
3. Minimum dry time 30 minutes. For best results coat entire aircraft before wiping off white residue.

### **Machine Application:**

1. Apply with rotary or orbital polishing equipment using cotton or foam polishing pads.
2. Polish a 2 by 2 foot section until desired polishing results are achieved and leave an even coating to dry.
3. Minimum dry time of 30 minutes. For best results coat entire aircraft before wiping off white residue.

### **Cure Time:**

1. Drying and wipe off of Aerolon Clearcoat will vary from 30 minutes to one hour depending on ambient temperature and humidity.

### **Important:**

Allow 24 hours for the Clearcoat to fully cross-link and cure before using detergents, degreasers, and deicing fluids.

## STAGE 7: AEROLON CLEARCOAT REMOVAL

After the curing process, the entire aircraft will be covered in a white layer of product. The product remaining on the aircraft has to be removed with micro fiber towels in a circular motion from left to right and top to bottom. After the white layer has disappeared, the aircraft will be left with a high finish gloss.

## STAGE 8: FINAL INSPECTION

Prior to signing off the work report, a final inspection should be performed with the supervisor or representative of the owner of the aircraft to confirm the quality and their acceptance of the final result of the Aerolon Clearcoat coating.

### **Technical Advise or Questions:**

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