



GREENSOLV inc.

TECHNICAL BULLETIN

GREENSOLV 274C (Patented technology) GEL PAINT REMOVER FOR AEROSPACE

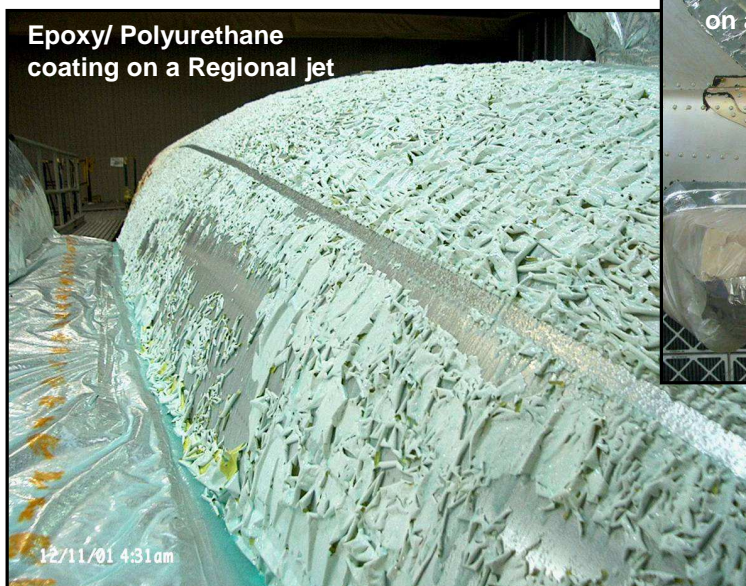
1) PRODUCT DESCRIPTION

GREENSOLV 274C is an highly effective catalyzed paint remover which works on a wider variety of coating systems such as epoxies & polyurethanes used in the aerospace industry. It is non corrosive and can be used on all metals. **GREENSOLV 274C** is a gel that contains wax to reduce evaporation, it will stay wet on the surface for more than 24 hours. It can be applied with a paint brush or an airless pump. It was developed to replace highly toxic and ozone depleting chemicals (such as dichloromethane).

GREENSOLV 274C has a neutral to alkaline pH and does not need to be neutralized. Meets Boeing corrosion specifications: **D6-17487**.

Typical stripping applications:

- Aircraft (any coating system);
- Polysulfide joint removal;
- Membrane / appliqué material removal (belly tape);



BENEFITS

GREENSOLV 274C is a highly effective paint remover based on a mixture of polar and non-polar solvents. This synergetic composition exhibits excellent stripping capabilities without using any harmful CFC.

Its main benefits are :

- Non-corrosive : Safe for all metals; **meets corrosion specification Boeing D6-17487** (hydrogen embrittlement, sandwich corrosion & immersion corrosion);
- Very low evaporation rate;
- Easily applied with a pump or an airless pump;
- Biodegradable;
- Low consumption;
- Coverage of approximately 2,2 to 2,9 m²/kg or 85 - 110 ²ft/USG.

2) PHYSICAL PROPERTIES

Physical appearance.....	Green gel (with wax)
Odor.....	Ammonia
Biodegradable.....	Yes
Flash point (Closed/Open Cup).....	38° C/ 60°C (100. 4° F/ 140°F)
Specific Gravity (Water=1)	0.90 - 1.00
PH (1 % in Water)	9.5 – 10.5
Viscosity.....	>40 000 cPs
Solubility in water	Partially soluble

3) DIRECTIONS FOR USE

Before application :

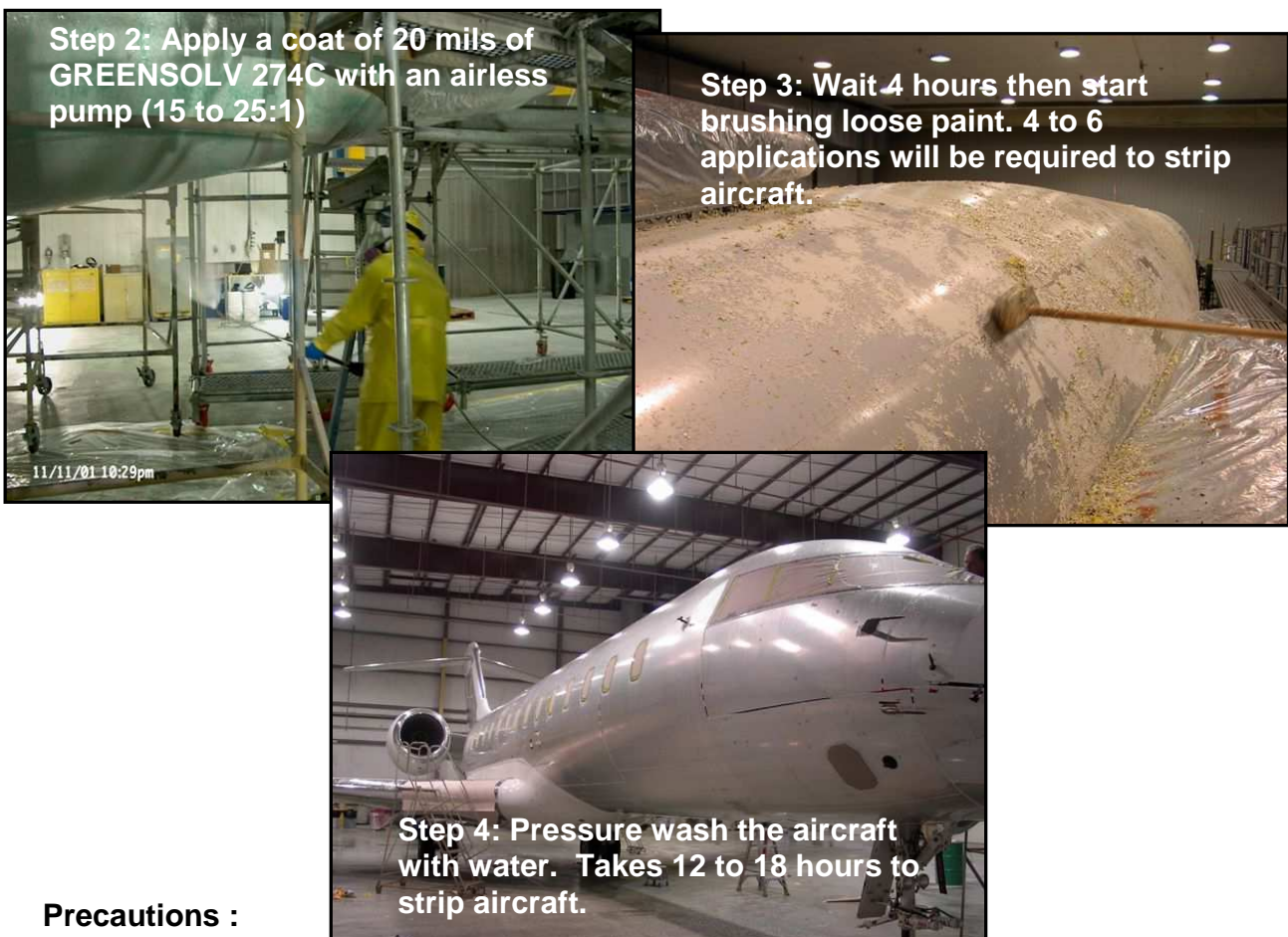
- Mask all parts of the aircraft that is not metal;
- Clean any excessive grim from the surface to be stripped.
- Mix **GREENSOLV 274C** well.



Application :

Estimated time required to strip the entire aircraft (12 to 18 hours).

- Apply with a brush or an airless pump, a layer approximately 15 to 20 mils (300 microns) thick of **GREENSOLV 274C** on the surface to be stripped. Coverage: 2,2 to 2,9 m²/kg or 85 - 110 ²ft/USG.
- Let it stand for two (2) to four (4) hours or until the paint has raised. Recommended temperature: between 25° C and 35° C (77° F and 95° F). The higher the temperature, the faster the reaction. **Optimum temperature : 30° C (86° F).**
- After 4 hours, brush the paint rapidly to remove loose paint; use a broom made of wood and plastic;
- Apply a second coat of **GREENSOLV 274C** and wait for 2 hours;
- Brush the paint once again and apply a third layer of **GREENSOLV 274C**, wait for 2 hours and start brushing. Reapply once more; **in total, 4 to 6 applications will be required to strip the entire aircraft;**
- When the paint has bubbled all over, remove it with a brush or rinse with a pressure washer (1800 to 2500 psi).



Precautions :

- Avoid contact with composites, rubbers & plastics as they may degrade. Do a spot check before putting in contact with those substrates. In case of contact, dry as soon as possible.
- Avoid contact with strong oxidants, (ex: caustic, strong acid, peroxide, etc)
- Product is very slippery on the floor.

4) **PERSONAL PROTECTION**

Engineering Controls :

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

When Sprayed :

- Wear appropriate respirator when ventilation is inadequate. (Approved/ certified respirator with organic vapor cartridges)
- Face shield, safety glasses or splash goggles;
- Chemical resistant protective suit.
- Chemical resistant gloves.
- Boots.

When brushed:

- Wear appropriate respirator when ventilation is inadequate. (Approved/ certified respirator with organic vapor cartridges)
- Safety glasses or splash goggles;
- Synthetic apron or long sleeves;
- Chemical resistant gloves.

Try to avoid skin contact by wearing adequate equipment.

5) **STORAGE**

Store **GREENSOLV 274C** at a controlled temperature of 0° C to 30° C. (50° F to 104° F). Keep away from any source of sparks or flames. Store in a closed container when not in use. Keep container dry. The shelf life of the product has been determined to be 2 years.

6) **PACKAGING**

GREENSOLV 274C is available in :

- Gallons (2 x 1 U.S.Gal. /3,78L)
- Pails (18,9L. – 5 U.S. Gal.).

Version : 4
Last Update : March 2012

