



PreKote[®]

Surface Pretreatment

Simply Superior.

Pretreat with PreKote[®] and Protect What Matters.



Pretreatment with the right product is critical for minimizing corrosion, maintaining a premium finish, and protecting the longevity of any aircraft. But protecting time, money, employee health and safety, and the environments in which we live and work is also important. With PreKote[®], you get the best protection on every level.

PreKote[®] surface pretreatment is the best pretreatment product available today. It's a non-chrome, ready-to-use, all-in-one product that saves substantial time and money. It's quick and easy to use, and because it is non-toxic and non-hazardous, it protects both people and our planet. That's why we say it's "simply superior".



Most pretreatment products are unnecessarily hazardous, time consuming and labor intensive. But, not PreKote[®]. PreKote's non-chrome, non-toxic formula was designed specifically as a replacement for both chromate and non-chromate conversion coating systems. PreKote[®] replaces alkaline washes, acid etches, solvent wipes, conversion coatings, wash primers and sol-gel products. It can be adapted to virtually any paint or bonding process, including large surface area paint jobs, immersion processes, and touch-up applications. It provides unparalleled protection of both aircraft surfaces and the people working on them. PreKote[®] can be used on any paintable surface, delivers amazing results, and is the safest product on the market. No wonder those who want the best of



FEATURES & BENEFITS

- Faster and easier than all other processes
- Provides maximum corrosion protection
- Ensures superior paint adhesion and flexibility
- Minimizes number of chemicals used
- Reduces overall process time
- Can be used on any size and type of job; available in both liquid and wipes
- Safest product available
- Non-toxic: hexavalent chromium-free
- Non-hazardous; non-flammable; low VOCs
- Readily biodegradable; water-based formula
- Significantly reduces water usage
- Does not create hazardous wastewater
- Awarded with EPA non-CIU status
- Significantly reduces HAZMAT shipping and storage, PPE, and wastewater treatment costs

USE ON ANY PAINTABLE SURFACE

- Aluminum
- Composite
- CRES
- Galvanized
- Magnesium
- Plastic
- Steel
- Titanium

PREKOTE PRODUCT DESIGN

Pantheon Enterprises believes products don't need to be toxic or hazardous to work well. They also believe people shouldn't be forced to work with harmful chemicals when safer alternatives exist. That's why the founder developed PreKote Surface Pretreatment over 20 years ago. His goal: develop the best performing pretreatment product available that also protects people, profits, and the planet. **Why use anything else when PreKote does it all?**



Did you know many pretreatment products contain hexavalent chromium (Cr6), a toxic chemical that causes lung cancer? According to studies conducted by OSHA, workers exposed to legally permissible levels of Cr6 for five or more years increase their risk of lung cancer by as much as 70 percent! The toxic substance enters the body by inhalation, ingestion, or absorption through the skin. PreKote is hexavalent chromium free—unlike many other pretreatment products.

For more information, contact Pantheon Enterprises
1.888.608.7888 | SustainBetterLife.com



The Science Behind the Superior Power of PreKote

PreKote offers superior primer and paint adhesion, improved paint flexibility, and advanced corrosion protection on any and all paintable aircraft surfaces. It does this by cleaning microscopic pores and leaving behind a thin layer of film that promotes a stronger bond between the surface and the paint. This superior adhesion is the secret behind PreKote's success.

Just like our skin, paintable surfaces have millions of microscopic pores where dirt and contaminants become embedded. Over time, these microscopic contaminants become incredibly difficult to remove, and can actually block adhesion of primers and paint to the aircraft's surface when processes such as chromate conversion are used. (See Figure A). This can lead to paint failures such as chipping, peeling, blistering, and out-gassing (See Image 1).

PreKote's advanced technology actually cleans the surface, removing contaminants. Then, it leaves behind a thin layer of solution that surrounds any embedded contaminants, creating a closer, stronger bond between the surface and coating (See Figure B). This results in fewer paint adhesion failures and better overall corrosion protection (See Image 2).

Figure A - The Chromate Conversion Process

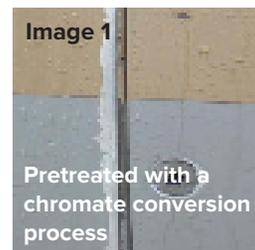
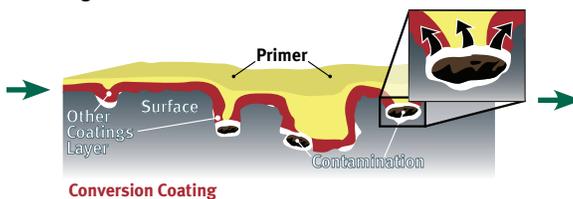
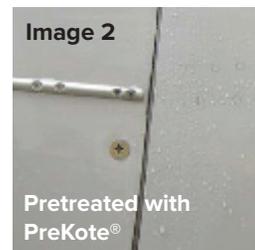
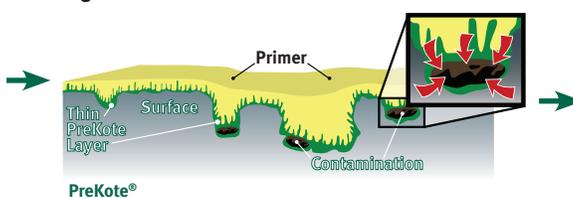


Figure B - The PreKote Process



Want Savings? — think PreKote

PreKote has passed stringent testing by the U.S. Department of Defense and has been used by U.S. Air Force Bases (AFB) throughout the country for several decades. Listed below are the savings achieved by several U.S. Air Force Bases as well as Delta Airlines:

Hill AFB

Saved \$6,000 per F-16.
Saved \$1.2M per year in total savings, including reduced labor, water, and HAZMAT fees.

Tinker AFB

Saved more than 4,400 man-hours per year.
Saved \$120,000 per year in reduced water consumption & treatment fees.

Sheppard AFB

Reduced annual water usage and treatment costs from \$37,000 to \$275, a savings of over \$36,000.

Robins AFB

Saved \$100,000 per C-5.
Reduced annual water usage by 70% (from 133,333 to 40,000 gallons).

Delta Airlines

Saved an estimated \$1M annually.
Reduced process time by 8-10%.

Pretreatment Process Comparison

Regardless of the pretreatment process used, PreKote is the clear winner when it comes to saving time and money. The PreKote process requires use of only one product and the 6-step process is incredibly quick and easy.



Steps	PreKote®	Wash Primers	Gel Technologies	Conversion Coatings
1	Rinse with Water	Rinse with Water	Rinse with Water	Rinse with Water
2	Apply PreKote and Scrub	Apply and Scrub with Alkaline Solution	Apply and Scrub with Alkaline Solution	Apply and Scrub with Alkaline Solution
3	Apply PreKote® and Scrub	Rinse with Water	Rinse with Water	Rinse with Water
4	Rinse with Water	Allow Water to Dry	Allow Water to Dry	Allow Water to Dry
5	Inspect for Water Break	Clean with Solvent	Apply De-Oxidation or Etching Solution	Mask Sensitive Areas (eg: magnesium/composites)
6	Allow Water to Dry	Mix Wash Primer	Rinse with Water	Scrub with Acid
7	Mask and Apply Primer	Apply Wash Primer	Inspect for Water Break	Rinse with Water
8		Inspect for Overcoat	Allow Water to Dry	Allow Water to Dry
9		Mask and Apply Primer	Mix Gel and Wait (Induction Time)	Mix Conversion Coating
10			Apply Gel	Apply Conversion Coating
11			Remove Excess (Optional)	Rinse with Water
12			Mask and Apply Primer	Inspect for Water Break
13				Allow Water to Dry
14				Wipe with Solvent
15				Mask and Apply Primer

*PreKote® is a Ready-To-Use, All-in-One Product

After years of customer research, data has shown our average customer is able to decrease their overall surface pretreatment costs by up to 25%.

- Our all-in-one-product means no need to purchase alkaline washes, acid etches, or solvent wipes.
- Our quick and easy 6-step process saves up to 12 labor hours per application.
- Because PreKote requires fewer rinses, customers see a significant reduction of water and wastewater treatment fees.

For Purchasing: **North America & AOG: 1-800-AVIALL-1**
International Sales: 1-800-AVIALL-3
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