PreKote®
Surface Pretreatment

APPLICATION PROCEDURE

PREKOTE AIRCRAFT APPLICATION

The following PreKote application procedure is recommended for all aircraft to achieve superior adhesion of primer to substrate surfaces.

APPLICATION NOTES

- PreKote may be used on all surfaces that will be primed and painted (including both metal and composite surfaces).
- Use only aluminum oxide pads (see Step 1 below). Use of any other pad may contaminate surface and prevent adhesion of primer.
- Begin on top and outboard of aircraft, working in and down. Pole scrubbing recommended; however, pneumatic sanders can be used.
- Horizontal surfaces allow for larger work areas than vertical areas. The top of the vertical stabilizer requires smaller work areas in particular.
- Emphasis must be given to high erosion areas just aft of leading edges on wings and engines, radome, vertical stabilizer, and aft of cockpit windows. High soil areas such as bottom of aircraft engines and fuel access panels need extra care to achieve a clean surface.
- Prime and paint within 24 hours after applying PreKote (ensuring aircraft is in clean environment).
- Application methods vary. Always refer to aircraft engineering documents for specific instructions.

PRIOR TO PREKOTE

In preparation for PreKote application, aircraft stripping and cleaning shall be accomplished in accordance with standard operating procedures. For scuff sand applications, thoroughly rinse the aircraft to remove all sanding debris. After sealing, prepare and mask only those areas which will not be primed. PreKote may be used on all aircraft substrates to be primed.

STEP 1

First application of PreKote®

Apply a flood coating of PreKote and agitate the surface to a rich lather with 280-400 grit aluminum oxide pads (MILITARY: A-A-58054, Type I, Grade A) and extension poles (if necessary).

Do not allow PreKote to dry on the surface.

Work in areas of approximately 500 square feet depending on air flow, temperature, and humidity. Do not rinse.

STEP 2

Second application of PreKote®

Apply a second application of PreKote immediately to the work area following the completion of Step 1.

Agitate to a rich lather.

It is important to remove all the soil and contaminants lifted by the first PreKote application.

As in Step 1, do not allow PreKote to dry on the surface.

RINSE

Immediately following Step 2, thoroughly rinse each completed area with generous amounts of water*, ensuring seams and depressions are flushed of excess PreKote.

Look for a water break-free surface as an indicator of proper application (typically 2-10 seconds). Repeat PreKote process if water beads or breaks immediately.

Water of adequate quality must be used, in most cases city water is acceptable. Please contact Pantheon Chemical for more information.

FINAL CHECK

Allow surfaces to static air dry. There should be no visual evidence of a wax-like appearance on the surface.

Inspect all areas previously masked to prevent intrusion of chemicals used for surface preparation and to ensure chemicals have NOT entered any cavities. Prior to priming, if there is dust on the surface it can be removed by using a water dampened, lint-free cloth. If fuels and oils are on the surface, moisten a lint-free cloth with PreKote and wipe fluid off in one direction so as not to smear the contaminant. In the same direction immediately wipe excess PreKote off with a dry lint-free cloth and prime immediately.

Caution:

- **While tack rags may be used after PreKote application, ensure residue is not left on surface.**
- **Do not solvent wipe after PreKote application.**
- **Prime and paint within 24 hours.**

APPLICATION

POLE SCRUB

RINSE

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