



PAD Mechanical

CLEANING EXTERIOR SURFACE

Cleaning and polishing are an important part of exterior preventative maintenance because dirt can greatly accelerate corrosion, oxidation, and general deterioration of aircraft surfaces. Dirt on metal and painted surfaces will attract and trap moisture and pollutants onto the surface. The surfaces may then chemically react with moisture, dirt, and pollutants. Regular cleaning and polishing will protect the exterior surfaces and reduce the chances of corrosion and premature deterioration. If the aircraft cannot be kept in a hangar or otherwise covered, it's even more important to try to keep the aircraft as clean as possible.

PAINT POLISHING AND SEAL

Polishing can be broken down into two basic components, **polishing and polish sealant** application.

POLISHING the painted surface ensures the paint is returned to its original condition, using mechanical barrel buffers and approved buffing compounds, oxidation, dirt, and grime are removed through this process leaving you a bright, clean surface without swirl marks.

POLISH SEALANT is applied to the polished or newly painted surface, protecting the surface from the harsh elements.

It is recommended that you polish the paint on your aircraft once per year, followed by a minimum of two application of a paint sealant, with frequent washing in between.

ALCLAD ALUMINUM POLISHING, REPAIR

Mechanical polishing with pneumatic barrel buffers and approved buffing compounds will eliminate corrosion and maintain a smooth, bright mirror finish on the unpainted surfaces of your aircraft, such as leading edges, engine nacelles and exhaust ports. It is also important to repair any nicks, scratches, tool marks or gouges that have penetrated into the core material, by blending smoothly the affected area as per engineering instructions. Oxidization, light scratches, and scuffs are easily removed through polishing, leaving you the desired specular finish.

It is the manufactures recommendation that you polish the Alclad Aluminum Surface 3 times per year with frequent washings in between, using a mild alkaline detergent and pure warm water.



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