

GRANITIZE METAL POLISH SYSTEM

A graded series of premium polishes
for the aviation industry.



GRANITIZE
AVIATION INTERNATIONAL



THE GRANITIZE SYSTEM

Granitize Aviation has spent several years developing and testing a graded series of metal polishes for the aviation industry. We now offer a simple but effective system of six polishes designed to polish painted surfaces, aluminum 22916T6 & 2024T6 both clad and bare, and other metals including steel and titanium. All polishes are color coded to reduce cross contamination and aid in taking the guesswork out of any polishing procedure. When used properly, The Granitize System will produce a smooth, highly reflective mirror-like surface on brightwork that can be treated with Xzilon molecular adhesion to maintain the finish.

This system provides cutting power from very heavy to extremely fine so the right polish is always available in progressive steps. These metal polishes have been manufactured under precise processes using only the finest ingredients. A soy based carrier is used to be environmentally friendly and pleasant to work with. This carrier also provides better lubricity when polishing to make your work easier and help you finish the job faster. The highest quality aluminum oxide (Al_2O_3) from France is air sorted to develop six different grades of abrasives and polishes from titanium to superfine.

Granitize Aviation Metal Polish can be applied by hand or machine depending on the size and scope of the project. With the many grades of polish and the choice of application, you select the best grade and tools for the job at hand.

Our metal polish has been tested by SMI and conforms to Boeing D6-17487, AMS 1650 and Douglas CSD #1.*

ABOUT GRANITIZE







Granitize was founded in 1930 in California as a manufacturer and distributor of automobile waxes and polishes. The company has always manufactured premier products for professional use. The Granitize commitment to research, development and product quality is unsurpassed in the industry.

Over the years, customer requests and independent research have led to the development of products for the care and maintenance of many different surfaces. In keeping with its commitment to preservation of finishes, the company developed Xzilon3 AECl that is now being used on aircraft for brightwork protection and superior paint appearance.

Granitize is a family owned company, proud of its tradition of superlative customer service and product innovation. This line of metal polishes is simply another innovative offering to the aircraft industry.

*Consult factory for details.

THE GRANITIZE SYSTEM

		Name	Color	Grade & Application	Use on:	Part Number
Finish		Superfine	White	Ultimate finish Apply by: Hand Orbital buffer High speed buffer	<ul style="list-style-type: none"> Final polish for a mirror like finish. Produces a deep clear highly reflective surface Can also be used on painted surfaces 	XMP-S
		Fine	Yellow	Second finish Apply by: Hand Orbital buffer High speed buffer	<ul style="list-style-type: none"> Swirls Very fine scratches Can also be used on painted surfaces 	XMP-F
		Medium	Aqua	Finish Apply by: Hand Orbital buffer High speed buffer	<ul style="list-style-type: none"> Light oxidation Light scratches Rain Spotting Can also be used on painted surfaces 	XMP-M
Cutting		Coarse	Pink	Final cutting Apply by: Hand High speed buffer Orbital buffer	<ul style="list-style-type: none"> Medium oxidation Medium scratches 	XMP-C
		Extra Coarse	Green	Second cutting Apply by: Hand High speed buffer Orbital buffer	<ul style="list-style-type: none"> Use on all types of metals Heavy oxidation Light pitting Coarse scratches 	XMP-X
		Titanium	Graphite	Heavy cutting Apply by: High speed buffer Orbital buffer	<ul style="list-style-type: none"> Use on all types of metals Heavy preparation Pitting Deep scratch removal 	XMP-T

APPLICATION

- Always follow airframe manufacturer's polishing recommendations.
- Hand polishing:** Using a cotton or micro fiber towel, apply a very small amount of polish to the surface. Rub briskly until a black residue appears. Continue rubbing until polish begins to disappear. Immediately follow up with a clean cotton towel, diaper or micro fiber towel to remove all residues. Hand detail as required.
- Machine Polishing:** Use masking tape to protect adjacent areas you do not wish to polish. Use a cotton or micro fiber towel to apply a very small amount of polish to the surface. Use a wool or foam pad based on the polish grade you are using. Use wool for the heavier cutting grades, foam for medium cutting and finishing. Cotton bonnets can also be used for finishing grades. Foam pads should be used for the final finish to achieve the highest polish to the surface. Allow enough time to bring up the desired shine. Immediately follow up with a clean cotton towel or micro fiber towel to remove all residues. Repeat this process until the entire surface is polished. All masking tape must then be removed and final hand grooming of the polished area must be completed.

TECH TIPS

- Always wear gloves and eye protection and follow other safety procedures.
- Refer to MSDS sheets for additional information.
- Best results are achieved when the surface is cool to the touch.
- Avoid using too much polish, a little dab will do.
- Buffer pads should not touch the ground at anytime as debris could collect on the pad surface.
- When changing grades, wipe the area with a clean cloth to remove any traces of the abrasives from the prior step.

AIRCRAFT PROTECTION



Xzilon Kit X-3500-18-1*

Xzilon Kit X-3500-18-1* contains all the components necessary to apply and protect the brightwork once it has been polished. It not only inhibits corrosion, but makes future maintenance easier. This kit contains Xzilon, an instructional DVD, DuPont Sontara wipes, and diapers and cloths for proper application of the Xzilon.

* Also available for painted surfaces as X-3500-15-1



Xzilon Corrosion Inhibitor X-20/18*

A pint contains enough Xzilon to cover 1600 square feet with one coat. That's enough for three coats on the brightwork of a typical business jet. Xzilon is approved by Boeing, Gulfstream and Bombardier with other approvals pending or in process.

*Also available for painted surfaces as X-20/15

XZILON PREPARATION



X-BWC Brightwork Cleaner

Granitize Aviation Brightwork Cleaner is a special formulation of alcohol and other components to quickly remove the black metal polish residue in preparation for application of Xzilon corrosion inhibitor. Follow with a final cleaning of 100% Isopropyl alcohol.

Available in 1 and 5 gallon containers.



X-IPA Isopropyl Alcohol

IPA/5 100% Isopropyl alcohol is the final cleaning step to remove all of the black metal polish residue from the brightwork before applying Xzilon.

Container sizes are 5 gallon and 55 gallon.

CLEANERS



XC-11 Dry Wash

This is an exterior, light duty cleaner. Spray on and wipe off to keep the brightwork shining on a continuing basis. Perfect for maintaining a clean, sparkling look to brightwork and painted surfaces. Conforms to Boeing, Douglas and Airbus requirements.



XG-5 Hard Surface Cleaner Concentrate

A milder solution designed for post flight wipe downs or general dry wash cleaning of complete airframe. Conforms to Boeing, Douglas and Airbus requirements.

WIPES & CLOTHS

H-32 Diapers

Diapers can be used to wipe off the residual when moving to a finer grade of polish. Use these with Brightwork Cleaner or isopropyl alcohol when preparing polished bare metal surfaces for the application of Xzilon. Also recommended for wiping off the Xzilon during the brightwork application process. H-32 diapers are sold in 10# packages of approximately 40 to 45 diapers.

X-56 Microfiber Cloths

Microfiber is a combination of polyester filaments with a polyamide core that lift and trap dust particles, grease, wax and oily residues. Microfiber cloths are safe on all surfaces and ideal for use with the hard surface cleaner and zero VOC degreaser. They can also be used for the application of metal polish as well as general cleanup in interior areas of the aircraft.

X-56 microfiber cloths are sold in lots of 50 cloths.

XAC1213 Sontara Wipes

Sontara Aerospace wipes by DuPont are special nonwoven wipes that we recommend for applying Xzilon. They are also used in a variety of other aircraft detailing jobs such as windows. XAC-1213 wipes are sold in packages of 25 individual wipes.



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