Nuvite Chemical NuShine II F9 – Aviation Metal Polish (Brightwork)
Technical Datasheet



Product Description

Grade F9 – this grade is a compounding grade with a very coarse grade particle size, useful on severely corroded aluminium and new aluminium. Nushine F9 is used where the surface has been damaged by corrosion, has severe pitting, or has had severe stripping processes, including being sanded or scratched by abrasive cloth. Never use standard commercial grade sanding papers –even wet, on aluminium to be polished. Alternatively, there are speciality micro fine surface sanding materials (speciality grade abrasives –not commercial grade sandpapers) that may be helpful in really severe situations before using Nushine F9.

But F9 is a good surface blender and is useful even for non-clad aluminium, forged and cast aluminium, stainless steel and titanium and anodised surfaces needing special procedures because of the surface hardness. Usually, it is necessary to follow Grade F9 on aluminium with Grade G6 or C for further surface preparation prior to final finishing with Grade S.

Nushine II Grade F9 is a heavy-cutting compounding grade polish that we recommend using for prep of already polished surfaces prior to using Grade S.

NuShine II is a graded system of polishes for both metal and paint finishing that will provide the finest surface finish available. It allows the operator to select the exact grade suitable for the condition of the surface to be polished, be it brand new, oxidized in use, or with atmospheric corrosion. NuShine II not only polishes metals and paints to an incredibly deep, clear and image-reflecting surface but also imparts a protective chemical barrier to inhibit corrosive oxidation to the metal. The perfect product for polishing aircraft aluminium or as it is often called, brightwork. Approved by Gulfstream, Bombardier, Embraer, Boeing, Dassault, Honda Jet and most leading aircraft manufacturers for polishing aluminium.

Other Nushine II metal polishes available:

Nushine II Grade A Nushine II Grade C Nushine II F10 Nushine II F7 Nushine II G6 Nushine II Grade S

Commodity Code: 3405400000

SKU: FA-PC-2241-1LB

Approvals:

- AIMS09-00-002
- Boeing D6-17487
- Boeing D6-9002
- AMS 1650
- Douglas CSD #1
- Gulfstream (Download)
- Bombardier (Download)
- Dassault Falcon
- Embraer
- Textron

Airlines:

- American
- Southwest

- United
- Cathay Pacific
- Japan Airlines
- AeroMexico
- JAZZ
- Comac

Features

- Exceptional polish, with oxidation and corrosion removal – grades from heavy cut to final finish
- Imparts extreme clarity to aluminium, brass, copper, steel, etc.
- Removes spots, stains, cloudy “under cast” and orange peel
- Preserves and protects substrate from further oxidation

Product Description.
NuShine II offers a graded system of polishes for both metal and paint finishing that will provide the finest surface finish available. NuShine II has been shown to outperform all other aviation, automotive and marine polishes in side-by-side testing by users throughout the world. Many owners of commercial and corporate jets, custom-built and ‘one of a kind’ antique show aircraft specify Nuvite NuShine II as the polish of choice for upkeep of their expensive, rare and irreplaceable aircraft. The NuShine II system of graded polishes affords the operator the choice to select the grade of polish to match the needs of the surface to be polished, be it brand new, oxidized in use, or with atmospheric corrosion. NuShine II not only polishes metals and paints and to an incredibly deep, clear and image- reflecting surface, but also imparts a protective chemical barrier to inhibit corrosive oxidation to the metal. Additionally, economy of use is preserved due to the extremely small amounts of material needed to create the required polishing action. Users continually report that NuShine II metal and paint polish simply has no peer for ease of use and successful results!

Core Benefits.
• Exceptional polish, with oxidation and corrosion removal
• Imparts extreme clarity to aluminium, brass, copper, steel, etc.
• Easy and economical to use
• Safe to all aircraft component parts
• Removes spots, stains, cloudy “under cast” and orange peel
• Grades from heavy cut to final finish
• Preserves and protects substrate from further oxidation
• Extreme economy through very low material use and time reduction

Directions for use.
Unpolished Aluminium, New, lightly corroded or typically oxidized metal condition: Compound buff with NuShine II Grade G6. Buff an area 24” X 18” with circular buffer (1600-2000 rpm) and wool compounding (not std. loose wool) pad. Place wet fingerprints of polish every 3” or so. Use a small amount of polish. Buff until residue clears (45-60 seconds with proper amount of polish). Too much polish reduces effectiveness. Finish with grade S and orbital style buffer with cotton sweatshirt flannel material over the face of the pad(s) for highest image clarity.
Stainless Steel, Titanium, or Non-clad Aluminium: Start with grade F7 (smooth surface) or F9 (for rough, or “mill” finish), repeat surface smoothing compound buffing until surface is smooth & shiny. Finish with grade S and orbital style buffer with cotton sweatshirt flannel material over the face of the pad(s) for highest image clarity and no need for additional handwork.
Finishing/Restoring Already Polished Aluminium: Use NuShine II Grade S. Put a very sparing amount of polish – merely fingerprints of polish every 6” or so, over the same size area as above. Buff as above with cotton flannel. Buffing area should clear of residue in 45-60 seconds with correct amount of polish. Watch the extreme depth and clarity of image come up! Grade C may be needed prior to final polish with grade S if light oxidation has formed.

Grading System
• S – Final finish only, polish upkeep, paint finishing
• A – Light oxidation removal or hand polishing in tight areas
• C – Rain spotting & light oxidation removal, removal of cloudy look
• G6 – “Smart abrasive” – quick cut, but reduces to fine finish similar to “C”
• F7 – Polishing smooth stainless steel, blending scratches in aluminium
• F9 – Heavy cut, for clad or non-alclad aluminium, forged or cast parts
• F10 – Very heavy cut, for clad or non-alclad aluminium, forged or cast parts

Safety & Storage.
NuShine II is not environmentally restricted. Users should use standard safety precautions, such as wearing gloves and eye protection along with any other standard safety procedures. Refer to Material Safety Data Sheet for further information.

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