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# AGRINAUTICS

## AGRINAUTICS TEFLON® TUFFCOAT

A. Agrinautics Teflon Tuffcoat provides a Teflon penetrated hard-coat anodized aluminum surface.

B. Teflon Tuffcoat provides an excellent continuously lubricated surface for abrasion resistance and extreme corrosion resistance.

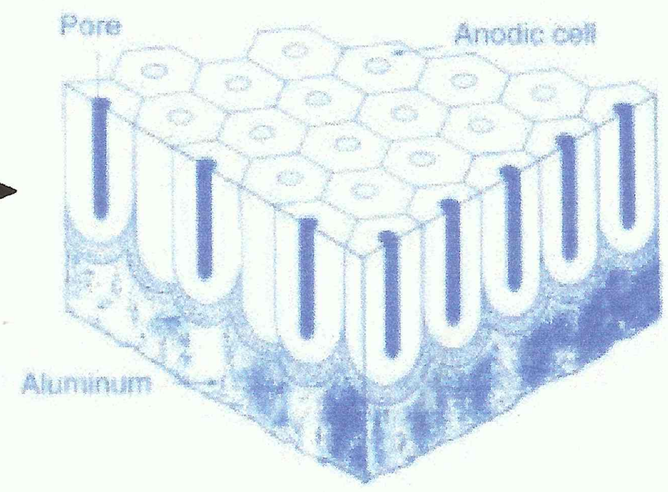
C. Agrinautics Teflon Tuffcoat meets or exceeds the requirements of the following specifications:
- MIL-A-6357A, Type I, class I
- BF Goodrich 6.107
- Aro Corporation PS-284
- Grumman Aerospace GC 130 E
- Honeywell PS 13522-1
- Martin Marietta STM N805
- Allied Bendix CR 128 and ES 1364

D. Teflon Tuffcoat is produced by electro-chemically converting the aluminum surface to aluminum oxide, (alum-oxide grinding wheel hard) followed by an impregnation of the oxide pores and surface with Teflon.

E. Teflon Tuffcoat Properties:
1. Corrosion Resistance - Withstands extended exposure to solutions of PH 3 to 9. Exceeds 2000 hours of 5% salt spray test per ASTM B-117.
2. Abrasion Resistance - Meets or exceeds MIL-A-8625 requirements as tested per method 6192 Federal Test Method Standard No. 141.
3. Lubricity - Self lubrication of surface substantially reduces static and dynamic friction as compared to bare aluminum.
4. Self Cleaning - Non-stick, non-wetting surface that easily rinses clean. Time-saving when changing chemicals that react adversely, thus reducing possible strainer and nozzle plugging.

For more information concerning your abrasion and corrosion problems, call Agrinautics or your distributor.

Teflon coating on surface
and in pores




*Teflon impregnated aluminum oxide* *cell pore and surface*

*Teflon® is a registered trademark of Dupont