



Industry Uses:

- Aerospace
- Aircraft
- Automotive
- Medical
- Defense

Coating Specifications:

- MIL-A-8625 (Types II & III)
- ASTM-B-580
- AMS-2468
- AMS-2469
- AMS-2471
- AMS-2472
- Medical Validated Lines / Processes

Typical Thickness:

- .0008 - .003 total thickness on most alloys

Corrosion Resistance:

- > 336 hours of salt spray testing

Dielectric Resistance:

- 1000V per .001" coating thickness

Colors:

Any shade of the visible light spectrum or clear

Anodize Seals:

Several types available, all enhance corrosion protection

PTFE:

Imports PTFE into the deposit for additional lubricity and wear

OxyLube

Offering an extremely hard and corrosion-resistant coating, OxyLube is an engineered coating applied to aluminum. It's robust composition has passed over 336 hours of salt spray testing on a 6061 aluminum substrate – making OxyLube an economical solution that can be controlled to very specific thicknesses.

The oxidation normally associated with aluminum reacts chemically with sulfuric acid, resulting in a somewhat porous finish that can easily be filled with colored dyes and/or PTFE to enhance the overall properties.

The coating thickness penetrates approximately 50% into the surface of the substrate and approximately 50% onto the surface. For example, a part having a coating thickness of .001" per side will grow by .0005" per side.

It can also be coated in a clear condition – with the clarity ranging from perfectly clear to varying shades of opaqueness depending upon your desired needs and material series. OxyLube can be sealed for maximum corrosion protection or can be left unsealed for maximum abrasion resistance.

Technical Advantages

- Excellent Corrosion Resistance
- Extremely Hard, Abrasion Resistant
- May be Selectively Plated
- Medically Validated
- Can be Dyed in a Number of Colors
- Good Dielectric Qualities

