TECHMETALS
ENGINEERED METAL FINISHING & PERFORMANCE COATINGS

Industry Uses:

- Aerospace
- Aircraft
- Automotive
- Medical
- Defense

OxyTech

Offering an extremely hard and corrosion-resistant coating, OxyTech is an engineered coating applied to aluminum. It's robust composition has passed over 816 hours of salt spray testing on a 6061 aluminum substrate – making OxyTech 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, chromium compounds or PTFE to enhance the overall properties.

The coating thickness penetrates 50% into the surface of the substrate and 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 plated in a clear condition – with the clarity ranging from perfectly clear to varying shades of opaqueness depending upon your desired needs. OxyTech can be sealed for maximum corrosion protection or can be left unsealed for maximum abrasion resistance.

Coating Specifications:

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

Typical Thickness:

- .0008 - .003 total thickness on most alloys

Corrosion Resistance:

- > 816 hours of salt spray testing

Dielectric Resistance:

- 1000V per .001" coating thickness

Colors:

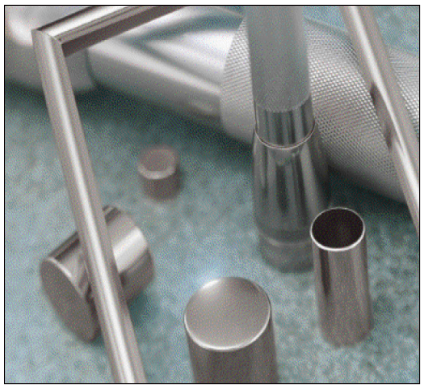
Any shade of the visible light spectrum or clear

Dichromate Seal:

Imports hexavalent chromium into the deposit for extra corrosion protection

Technical Advantages

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



Call: (937) 253-5311

www.techmetals.com