



TIODIZE®

TECHNICAL DATA

ALUMAZITE

ZY-132

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ALUMAZITE ZY-132

Aluminum Pigmented Barrier Coating

A protective corrosion inhibitive coating for industrial
And aerospace fasteners and structures

PRODUCT DESCRIPTION

ALUMAZITE ZY-132 – A new aluminum filled corrosion inhibitive coating designed for protection of the fastening systems and the adjacent structures. It has temperature capabilities of withstanding 500°F for exceptionally long periods of time. **ALUMAZITE ZY-132** has excellent adhesion to all metals. Mechanical properties and mechanical functions are enhanced, preloads and installation forces are reduced. **ALUMAZITE ZY-132** eliminates the commonly acknowledged dangers of hydrogen embrittlement or diffusion stress cracking as related to cadmium plating processes. **ALUMAZITE ZY-132** meets the performance requirements of MIL-L-85614, NAS 4006 and BMS 10-85.

ADVANTAGES

Attractive, decorative appearance
Provides good corrosion protection and solvent resistance
Hard, durable coating that resists chipping and cracking
Oven curing
Available in ready-to-use form
Quarts, gallon cans and 5-gallon pails

PHYSICAL PROPERTIES

Cure Cycle:	400°F (part temperature) for 1 hour
Color / Appearance:	Silver
Dilution Ratio:	Ready-to-use
Solvent:	MEK
Temperature Range:	To 400°F continuous, 500°F intermittent
Shelf Life:	12 months when stored in a closed container At room temperature (maximum 90°F)

TYPICAL FUNCTIONAL PROPERTIES for ZY-132

Galvanic Corrosion – Salt Spray

500 hours

ASTM B-117

(0.0007 to 0.001 inch coating thickness)

Fluid Resistance, ASTM D-2501C

1,1,1 Trichloroethane, MIL-T-81533 **Pass**

Anti-Icing Fluid, MIL-A-8243	Pass
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Cleaning Compound, MIL-PRF-372 **Pass**

Freon TF, MIL-C-81302 **Pass**

Reagent H ₂ O	Pass
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Sea Water **Pass**

Synthetic Hydraulic Fluid MIL-H-83282 Pass

JP-4 Jet Fuel, MIL-T-5624 Pass

Synthetic Lube Oil, MIL-L-23699	Pass
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Silicone Damping Fluid, VV-D-1078 **Pass**

Lubricating Oil, MIL-L-14107 Pass

Semi-Fluid Lubricant, MIL-L-46000 **Pass**

Lubricant/Cleaner, MIL-PRF-63460	Pass
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