



A-A-59313 TDS

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A-A-59313 Zinc Dust Petrolatum

Anti-Seize Compound for Aluminum & its Alloys

Armite's Zinc based anti-seize is manufactured to conform to the requirements of Military Specification CID (Commercial Item Description) A-A-59313 (formerly MIL-T-22361). A-A-59313, with its strong anticorrosive properties, is generally used to prevent seizing during assembly or disassembly of threaded or unthreaded aluminum and aluminum alloy components engaged with components fabricated from similar or dissimilar metals. It also provides corrosion protection to metal surfaces. This compound is not suitable for optical instruments.

Application Considerations

Care should be taken against the application of too heavy a coating of the thread compound to components. A thin coating is all that is required to prevent seizing. In the case of blind holes, the application of an excessive amount of the compound may prevent proper seating of components. Under low temperature conditions, the compound hardens and is difficult to apply. It should be kept at room temperature for 24 to 48 hours prior to use.

This compound is not suitable for use on the threaded or unthreaded components of such equipment as optical instruments (e.g., lenses, prisms and other optical elements), due to the high evaporation rate of the petrolatum constituent where the vapors may adversely affect associated components.

Zinc Based Anti-Seize Compound

Meets Spec CID A-A-59313
NSN: 8030-00-295-1102 (8oz Tube)
Prevents galvanic corrosion
Lead free
Lowers friction, reduces wrench torque
Permits re-use of fittings
Saves stud, bolt and nut replacement
Water resistant

Applications

Gaskets
Slides Batteries
Fasteners
Frame Bolts
Flange Faces
Lug & Cable Connections
Valve Stems
Spark Plugs
Aluminum Connections

Typical Characteristics

NLGI Grade 2-5
Color Silver/Grey
Penetration @ 77°F 160-280
Melting Point 130°F
Specific Gravity 1.038 ASTM D287
Torque Coefficient (K value) 0.15
Additive Type Zinc Dust
Flash Point 480°F (249°C)
Auto Ignition Point >500°F (260°C)
Optimal Storage 45° F- 80° F
Temperature Range 20.2°F (-29°C) to 752°F (400°C)

TEST: Applications listed are suggestions. This guide will not replace your testing and evaluation procedures. Ultimate product selection should be based on your test results and the specific performance requirements.