

NOT MEASUREMENT SENSITIVE
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SUPERSEDING  
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## DETAIL SPECIFICATION

### CHEMICAL CONVERSION COATINGS ON ALUMINUM AND ALUMINUM ALLOYS

This specification is approved for use by all Departments and Agencies of the Department of Defense.

#### 1. SCOPE

1.1 Scope. This specification covers chemical conversion coatings formed by the reaction of chemical conversion materials with the surfaces of aluminum and aluminum alloys.

1.2 Classification. The chemical conversion coatings are of the following types and classes.

1.2.1 Types. The chemical conversion coatings are of the following types (see 3.1):

Type I – Compositions containing hexavalent chromium.

Type II – Compositions containing no hexavalent chromium.

1.2.2 Classes. The materials, which form protective coatings by chemical reaction with aluminum and aluminum alloys, are of the following classes (see 6.1 and 6.4).

Class 1A - For maximum protection against corrosion, painted or unpainted.

Class 3 - For protection against corrosion where low electrical resistance is required.

Comments, suggestions, or questions on this document should be addressed to: Commander, Naval Air Warfare Center Aircraft Division, Code 491000B120-3, Highway 547, Lakehurst, NJ 08733-5100 or emailed to <a href="mailto:thomas.omara@navy.mil">thomas.omara@navy.mil</a> . Since contact information can change, you may want to verify the currency of this address information using the ASSIST Online database at <a href="http://assist.daps.dla.mil">http://assist.daps.dla.mil</a> .
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