



400 Commonwealth Drive, Warrendale, PA 15096-0001

AEROSPACE MATERIAL SPECIFICATION



AMS 1420B

Issued APR 1982
Noncurrent SEP 1989
Cancelled AUG 2001
Superseding AMS 1420A

Coating Removal Process Aluminum Alloy Coated Cobalt Alloys

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1. SCOPE:

1.1 Purpose:

This specification covers a process for removal of aluminide protective coatings from cobalt alloys.

1.2 Application:

Primarily to prepare engine-operated parts for refurbishment and recoating.

2. APPLICABLE DOCUMENTS:

The following publications form a part of this specification to the extent specified herein. The latest issue of Aerospace Material Specifications (AMS) shall apply. The applicable issue of other documents shall be as specified in AMS 2350.

2.1 SAE Publications:

Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096.

2.1.1 Aerospace Material Specifications:

AMS 2350 Standards and Test Methods

2.2 U.S. Government Publications:

Available from Commanding Officer, Naval Publications and Forms Center, 5801 Tabor Avenue, Philadelphia, PA 19120.

2.2.1 Military Standards:

MIL-STD-794 Parts and Equipment, Procedures for Packaging and Packing of

3. TECHNICAL REQUIREMENTS:

3.1 Surface Preparation:

3.1.1 Degrease: Residual oils and entrained soils shall be removed by suspending parts for approximately 30 sec, or until parts reach temperature equilibrium, in a suitable vapor degreasing atmosphere followed by spraying with distilled degreasing fluid until visually clean.

3.1.2 Mask: Surfaces not to be stripped shall be protected from the effects of subsequent abrasive blasting and chemical treatment by covering with plastic-film-backed adhesive tape or by coating with a suitable electroplater's lacquer or wax.