

AEROSPACE MATERIAL SPECIFICATION

Submitted for recognition as an American National Standard

Plating, Brush, Cadmium Corrosion Protective, Low Hydrogen Embrittlement

1. SCOPE:

1.1 Purpose:

This specification establishes the engineering requirements and process controls for brush plating of cadmium by electrodeposition. It should be used, in conjunction with AMS 2451, for corrosion-protective, cadmium deposits which might allow omission of hydrogen embrittlement relief treatment of high-strength steels.

1.2 Application:

This process has been used typically to apply a corrosion-protective coating and to repair damaged or worn parts. It is particularly useful to avoid the need for hydrogen embrittlement relief treatment of steel parts.

1.3 Safety - Hazardous Materials:

See AMS 2451.

1.4 Warning:

Numerous scientific studies have determined that cadmium can present a health hazard to persons exposed to it.

2. APPLICABLE DOCUMENTS:

See AMS 2451.

3. TECHNICAL REQUIREMENTS:

The requirements of AMS 2451 shall apply as herein amended.

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