

AEROSPACE MATERIAL SPECIFICATION

AMS 2451/8A

Issued	2000-08
Revised	2006-05
Reaffirmed	2011-04
Superseding AMS 2451/8	

Plating, Brush, Non-Cyanide Silver
General Purpose

RATIONALE

AMS 2451/8A is a Five Year Review and update of this specification.

1. SCOPE

1.1 Purpose

This specification covers the requirements for brush plating of noncyanide silver by electrodeposition.

1.2 Application

This process has been used typically to lower electrical contact resistance, prevent galling or seizing of surfaces of parts to improve corrosion resistance of steel parts and to repair silver deposits but usage is not limited to such applications.

1.3 Safety - Hazardous Materials

See AMS 2451.

2. APPLICABLE DOCUMENTS

See AMS 2451.

3. TECHNICAL REQUIREMENTS

See AMS 2451.

3.1 Procedure

3.1.1 Silver shall be electrodeposited from a noncyanide silver brush plating solution in accordance with processing instructions from the solution manufacturer.

3.1.2 A preliminary strike or bonding layer of nickel and copper, palladium or gold may be used.

3.2 Properties

3.2.1 Thickness

Where silver flash is specified, plate thickness shall be approximately 0.0001 inch (2.5 µm).

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