

AEROSPACE MATERIAL SPECIFICATION

Submitted for recognition as an American National Standard

Plating, Brush, Chromium Hard Deposit, Trivalent

1. SCOPE:

1.1 Purpose:

This specification covers the engineering requirements and process controls for selective plating of hard chromium by electrodeposition. It should be used, in conjunction with AMS 2451, for cosmetic touch-up and for wear-resistant chromium deposits.

1.2 Application:

This process has been used typically to provide a corrosion-resistant deposit with excellent wear resistance and to repair damaged, worn, or mismachined parts 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:

The requirements of AMS 2451 shall apply as herein amended.

3.1 Procedure:

3.1.1 Chromium shall be electrodeposited from a trivalent chromium solution in accordance with processing instructions from the solution manufacturer.

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.

Copyright 1998 Society of Automotive Engineers, Inc.
All rights reserved.

Printed in U.S.A.

QUESTIONS REGARDING THIS DOCUMENT:
TO PLACE A DOCUMENT ORDER:
SAE WEB ADDRESS:

(724) 772-7161
(724) 776-4970
<http://www.sae.org>

FAX: (724) 776-0243
FAX: (724) 776-0790