

AEROSPACE MATERIAL SPECIFICATION



AMS-S-8840A

Issued JUN 1999
Cancelled SEP 2002

Superseding AMS-S-8840

Steel Sheet and Strip, Corrosion-Resistant, Precipitation
Hardening (AM350 and AM355), Premium Quality
Composition AM350, Annealed
Composition AM355, CRT 150/180/120

CANCELLATION NOTICE

Composition AM350 of this specification has been declared "CANCELLED" by the Aerospace AM350 has been superseded by AMS 5548. The requirements of the latest issue of AMS 5548 shall be fulfilled whenever reference is made to composition AM350 in accordance with the cancelled AMS-S-8840. Composition AM355 is cancelled with no replacement. By this action, this document will remain listed in the Numerical Section of the Index of Aerospace Material Specifications, noting that Composition AM350 has been superseded by AMS 5548.

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This document has been taken directly from U.S. Military Specification MIL-S-8840B, Amendment 1 and contains only minor editorial and format changes required to bring it into conformance with the publishing requirements of SAE technical standards. The initial release of this document is intended to replace MIL-S-8840B, Amendment 1. Any part numbers established by the original specification remain unchanged.

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1. SCOPE:

1.1 Scope:

This specification covers corrosion-resistant, heat treatable steel in sheet and strip form (see 6.3), of the compositions and conditions indicated.

1.2 Classification:

Materials shall be supplied in the following compositions, forms, and conditions, as specified (see 6.2):

Composition - AM350 - Sheet: Hot or cold rolled, annealed and descaled (No. 2D finish, or equivalent).

Strip: Cold rolled, annealed, and descaled (No. 1 Strip Finish).

Composition - AM355 - Sheet Hardened to CRT 150 (see table 3)
 and Hardened to CRT 180 (see table 3)
 strip: Hardened to CRT 210 (see table 3)

2. APPLICABLE DOCUMENTS:

The following publications, of the issue in effect on date of invitation for bids or request for proposal, form a part of this specification to the extent specified herein.

2.1 U.S. Government Publications:

Available from DODSSP, Subscription Services Desk, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.

FED-STD-151	Metals; Test Methods
FED-STD-183	Continuous Identification Marking of Iron and Steel Products
MIL-STD-163	Steel Mill Products Preparation for Shipment and Storage
MS33520	Tolerances, Corrosion Resistant Steel Plate, Sheet and Strip

3. REQUIREMENTS:

3.1 Material:

The steel shall be manufactured by the electric furnace process.

3.2 Chemical composition:

The chemical composition shall be as specified in table I.