



AEROSPACE MATERIAL SPECIFICATION

AMS-QQ-A-250/18

REV. B

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Superseding AMS-QQ-A-250/18A

Aluminum 7075, Plate and Sheet
Alclad One Side
(Composition similar to UNS A97075)

RATIONALE

AMS-QQ-A-250/18B has been designated stabilized because a survey of users and producers has indicated that the products included in this document may no longer be commercially available.

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The complete requirements for procuring 7075 aluminum alloy alclad one side plate and sheet described herein shall consist of this document and the latest issue of AMS-QQ-A-250.

1. SCOPE AND CLASSIFICATION:

1.1 Scope:

This specification covers the specific requirements for 7075 aluminum alloy alclad one side plate and sheet; the general requirements are covered in AMS-QQ-A-250. The plate and sheet covered by this specification shall be an integral composite product consisting of a heat-treatable aluminum alloy (7075) core with a thin layer of an aluminum alloy (7072) anodic to the core bonded to one surface.

1.2 Classification:

1.2.1 Tempers: The plate and sheet are classified in one of the following tempers as specified (See 6.2 and 6.3): O, T6, T62, T651, or F temper. Definitions of these tempers are specified in AMS-QQ-A-250.

2. APPLICABLE DOCUMENTS:

See AMS-QQ-A-250.

3. REQUIREMENTS:

3.1 Chemical Composition:

3.1.1 The chemical composition of the core ingots or slabs and of the cladding plates used for the manufacture of the alclad plates and sheets shall conform to the requirements specified in Table I for core and cladding, respectively.

TABLE I. Chemical Composition ^{1/}

Element	Analysis			
	Core (7075) Percent		Cladding (7072) Percent	
	Minimum	Maximum	Minimum	Maximum
Zinc	5.1	6.1	0.8	1.3
Magnesium	2.1	2.9	-	0.10
Copper	1.2	2.0	-	0.10
Chromium	0.18	0.28	-	-
Manganese	-	0.30	-	0.10
Iron	-	0.50	-	<u>2/</u>
Silicon	-	0.40	-	<u>2/</u>
Titanium	-	0.20	-	-
Other Elements, each	-	0.05	-	0.05
Other Elements, total	-	0.15	-	0.15
Aluminum	Remainder		Remainder	

^{1/} Analysis shall routinely be made only for the elements specifically mentioned in Table I. If, however, the presence of other elements is indicated or suspected in amounts greater than the specified limits, further analysis shall be made to determine that these elements are not in excess of specified limits.

^{2/} Iron plus silicon: 0.7 percent maximum.