AEROSPACE MATERIAL SPECIFICATION

AMS4049™	REV. N

Issued 1951-10
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Revised 2022-08

Superseding AMS4049M

Aluminum Alloy, Sheet and Plate, Alclad
5.6Zn - 2.5Mg - 1.6Cu - 0.23Cr (Alclad 7075; -T6 Sheet - T651 Plate)
Solution and Precipitation Heat Treated
(Composition similar to UNS A97075)

RATIONALE

AMS4049N results from a Five-Year Review and update of this specification with changes to prohibit unauthorized exceptions (3.3.5, 3.6, 4.4.1, 5.1.1, 8.5), add provisions for usage of AS6279 (Section 2, 3.7), update applicable documents (Section 2, 8.2), elongation values to show 50.8 mm or 4D and add missing values within AMS guidance (Table 3B), and ordering information (8.6), and allow the use of the immediate prior specification revision (8.4).

1. SCOPE

1.1 Form

This specification covers an aluminum alloy in the form of sheet and plate with thickness from 0.008 to 4.000 inches (0.20 to 101.6 mm), inclusive, clad on two sides (see 8.6).

1.2 Application

These products have been used typically for structural use, including machined parts subject to excessive warpage during machining, but usage is not limited to such applications.

1.2.1 Certain design and processing procedures may cause these products to become susceptible to stress-corrosion cracking; ARP823 recommends practices to minimize such conditions.

2. APPLICABLE DOCUMENTS

The issue of the following documents in effect on the date of the purchase order forms a part of this specification to the extent specified herein. The supplier may work to a subsequent revision of a document unless a specific document issue is specified. When the referenced document has been cancelled and no superseding document has been specified, the last published issue of that document shall apply.

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