
REGISTRATION RECORD SERIES



**International Alloy Designations
and
Chemical Composition Limits
for
Wrought Aluminum and
Wrought Aluminum Alloys**

Unified North American and International Registration Records

The Aluminum Association

Incorporated

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FOREWORD

Listed herein are designations and chemical composition limits for wrought aluminum and wrought aluminum alloys registered with The Aluminum Association. Numerical designations are assigned in accordance with the *Recommendation—International Designation System for Wrought Aluminum and Wrought Aluminum Alloys*, which is printed on pages 18 through 20. Additions may be made in accordance with the rules outlined in the Declaration of Accord printed on page 21, and alloys will be deleted when no longer in commercial use (see table of inactive alloys).

This edition of the *International Alloy Designations and Chemical Composition Limits for Wrought Aluminum and Wrought Aluminum Alloys* combines the North American (Green Sheets) and the International (Blue Sheets) registration records into one publication and includes significant additions and modifications. Some of the more significant changes to this edition include:

1. A revised 1998 "Recommendation" which incorporates approved revisions to the registration rules since 1970, including addition of a footnote to define "original" alloy.
2. Addition of a table showing the nominal densities for active alloys.
3. Revised Table of Inactive Alloys to include deactivation dates.
4. Revised footnote 19 to expand and clarify reactivation rules.
5. Addition of a table listing the chemical composition limits for inactive original alloys.

Since the International Designation System for Wrought Aluminum and Wrought Aluminum Alloys is based on USA's national standard "*American National Standard Alloy and Temper Designation System for Aluminum ANSI H35.1*," the system limits introduction of experimental alloy compositions to USA registrations. An experimental alloy registered by USA under this system is indicated by the prefix "X" and is subject to the following rules:

1. A composition shall not be designated as experimental ("X") for more than five years.
2. The "X" is dropped when the alloy is no longer experimental.
3. An experimental composition that is inactivated shall retain the prefix "X" for the duration of its inactive status. If reactivated, the "X" shall be removed.

Some of the registered alloys may be the subject of patent or patent applications, and their listing herein is not to be construed in any way as the granting of a license under such patent right.

A list of the organizations that are signatories to the Declaration of Accord on the Recommendation is printed on pages ii-iii.