



Components of Clad Aluminum Alloy Products

The Aluminum Association

Incorporated

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FOREWORD

This is the third edition of The Aluminum Association's Registration Record for Components of Clad Aluminum Alloy Products. The compositions of certain specific clad products are also covered in the Association's publication, "Aluminum Standards and Data". This Record will be maintained by the Association's Technical Committee on Product Standards and it will contain all clad products registered with the Association, as well as a list of those that have been deactivated.

Additions will be made as required and clad products will be inactivated (see list of inactive clad products) when no longer in commercial use. Proposals for additions, inactivations or reactivations by any company will be considered by the Technical Committee on Product Standards.

Some of the alloys or clad products may be the subject of a patent or patent application, and their listing in this Registration Record is not to be construed in any way as the granting of a license under such patent rights.

DESIGNATIONS FOR CLAD PRODUCTS

Clad products described in this Registration Record are composite wrought aluminum alloy products having a metallurgically bonded aluminum or aluminum alloy coating which is applied for purposes such as: corrosion protection, enhanced finishing response, or brazing.

The basic description of a clad product includes the designation "Clad" or "Alclad", prior to the core alloy designation and the product form.

The term "**Alclad**" specifically refers to clad products where the cladding alloy is anodic to the core and, as a result, provides corrosion protection for the core alloy.

The term "**Clad**" is applied where cladding is used for a functional reason other than corrosion resistance.

*Exception: In some cases, most notably with brazing sheet products, clad products are assigned arbitrary numeric or alpha-numeric designations.

Example: No. 21 Brazing Sheet

In these cases, each designation identifies a unique combination and configuration of cladding and core alloys. Odd and even numbered designations indicate one side clad and two side clad products respectively.

The following information describes a clad product and is necessary to complete the clad product registration record:

1. Product form
2. Component alloys
 - core alloy
 - cladding alloy
3. Cladding location
 - sheet and plate: both sides (assumed unless otherwise indicated) or one side
 - tube: inside, outside, or both
4. Cladding thickness, nominal and average cladding thickness by location for each range of total product thickness, expressed as a percentage of the total composite thickness or cross-sectional area.
 - **sheet and plate**: percent of total thickness on a side
 - **tube**: percent of total wall thickness
 - **wire**: percent of total cross-sectional area

The first clad product registration, for a given core alloy and product form, shall be designated as the original clad product registration and identified as: Clad "Core Alloy" and "Product Form", or Alclad "Core Alloy" and "Product Form".

Examples: Clad 1100 Reflector Sheet
Alclad 2024 Sheet
Alclad 3003 Tube