



National Standards Authority of Ireland

IRISH STANDARD

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ICS 77.150.10

**ALUMINIUM AND ALUMINIUM ALLOYS -
ROLLED PRODUCTS FOR CANS, CLOSURES
AND LIDS - SPECIFICATIONS**

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EUROPEAN STANDARD
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EN 541

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Supersedes EN 541:1995

English Version

**Aluminium and aluminium alloys - Rolled products for cans,
closures and lids - Specifications**

Aluminium et alliages d'aluminium - Produits laminés pour
boîtes, capsules rigides et couvercles - Spécifications

Aluminium und Aluminiumlegierungen - Walzerzeugnisse
für Dosen, Verschlüsse und Deckel - Spezifikationen

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Foreword

This document (EN 541:2006) has been prepared by Technical Committee CEN/TC 132 "Aluminium and aluminium alloys", the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 2007, and conflicting national standards shall be withdrawn at the latest by June 2007.

This document supersedes EN 541:1995.

Within its programme of work, Technical Committee CEN/TC 132 entrusted CEN/TC 132/WG 7 "Sheet, strip and plates" to revise EN 541:1995.

The following technical changes have been made:

- General: Normative references updated
- Table 1: New alloy added — EN AW-5006
- Clause 8: Amended
- Annex D: Added
- Bibliography: Added

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EN 541:2006 (E)

1 Scope

This document specifies the technical conditions for inspection and delivery, mechanical properties, dimensional tolerances and other requirements for rolled products made from wrought aluminium and wrought aluminium alloys with thicknesses from 0,150 mm to 0,500 mm for manufacturing rigid cans, closures, lids and tabs.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 515, *Aluminium and aluminium alloys — Wrought products — Temper designations*

EN 573-3, *Aluminium and aluminium alloys — Chemical composition and form of wrought products — Part 3: Chemical composition*

EN 602, *Aluminium and aluminium alloys — Wrought products — Chemical composition of semi-finished products used for the fabrication of articles for use in contact with foodstuff*

EN 10002-1, *Metallic materials — Tensile testing — Part 1: Method of test at ambient temperature*

EN 10204, *Metallic products — Types of inspection documents*

EN 14242, *Aluminium and aluminium alloys — Chemical analysis — Inductively coupled plasma optical emission spectral analysis*

EN 14361, *Aluminium and aluminium alloys — Chemical analysis — Sampling from metal melts*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1 sheet

flat rolled product of rectangular cross section with uniform thickness, supplied in straight lengths (i.e. flat) with trimmed edges

3.2 length of sheet

length is always the dimension in the rolling direction

3.3 width of sheet

width is always the dimension at right angles to the rolling direction

NOTE See 6.2.2, Figure 1.

3.4 strip

flat rolled product of rectangular cross section with uniform thickness, supplied in coils usually with trimmed edges

NOTE Strip is sometimes called “coil”.

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