

## Aluminium and aluminium alloys – Liquid metal – Specifications

The European Standard EN 577:1995 has the status of a Swedish Standard. This document contains the official English version of EN 577:1995.

Swedish Standards corresponding to documents referred to in this Standard are listed in "Catalogue of Swedish Standards", annually issued by SIS. The Catalogue lists, with reference number and year of Swedish approval, International and European Standards approved as Swedish Standards as well as other Swedish Standards.

## Aluminium och aluminiumlegeringar – Flytande metall – Specifikationer

Europastandarden EN 577:1995 gäller som svensk standard. Detta dokument innehåller den officiella engelska versionen av EN 577:1995.

Motsvarigheten och aktualiteten i svensk standard till de publikationer som omnämns i denna standard framgår av "Katalog över svensk standard", som årligen ges ut av SIS. I katalogen redovisas internationella och europeiska standarder som fastställts som svenska standarder och övriga gällande svenska standarder.



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**EN 577**

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Descriptors: aluminium, aluminium alloys, liquid metals, delivery, characteristics, inspection

English version

**Aluminium and aluminium alloys – Liquid metal –  
Specifications**

Aluminium et alliages d'aluminium – Métal  
liquide – Spécifications

Aluminium und Aluminiumlegierungen – Flüssig-  
metall – Spezifikation

This European Standard was approved by CEN on 1995-06-03. CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

The European Standards exist in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

**CEN**

European Committee for Standardization  
Comité Européen de Normalisation  
Europäisches Komitee für Normung

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## **Foreword**

This European Standard has been prepared by the Technical Committee CEN/TC 132 "Aluminium and aluminium alloys" of which the secretariat 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 January 1996, and conflicting national standards shall be withdrawn at the latest by January 1996.

According to the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom.

## 1 Scope

This European Standard specifies the requirements for the delivery in liquid metal of unalloyed aluminium or aluminium alloys.

## 2 Normative references

This European Standard incorporates by dated and undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references, the latest edition of the publication referred to applies.

EN 576	Aluminium and aluminium alloys - Unalloyed aluminium ingots for remelting - Specifications
prEN 1676	Aluminium and aluminium alloys - Alloyed aluminium ingots for remelting - Specifications
prEN 1780-1	Aluminium and aluminium alloys - Designation of unalloyed and alloyed aluminium ingots for remelting, master alloys and castings - Part 1 : Numerical designation system
prEN 1780-2	Aluminium and aluminium alloys - Designation of unalloyed and alloyed aluminium ingots for remelting, master alloys and castings - Part 2 : Chemical symbol based designation system
prEN 1780-3	Aluminium and aluminium alloys - Designation of unalloyed and alloyed aluminium ingots for remelting, master alloys and castings - Part 3 : Writing rules for chemical composition
EN ISO 9000-1	Quality management and quality assurance standards - Part 1 : Guidelines for selection and use (ISO 9000-1:1994)

## 3 Definitions

For the purposes of this standard, the following definitions apply :

**3.1 aluminium** : Metal with a minimum content of 99,0 % by mass of aluminium, provided that the content by mass of any other element does not exceed the following limits:

- iron + silicon contents not greater than 1,0 % ;
- other element contents not greater than 0,10 % each, with the exception of copper which is permitted to a content of up to 0,20 % provided that neither the chromium nor the manganese content exceeds 0,05 %.

**NOTE:** Aluminium in the liquid state or in the form of ingots for remelting is often called "unalloyed aluminium".