

## **Tsink ja tsingisulamid. Primaartsink**

Zinc and zinc alloys - Primary zinc

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 1179:2003 sisaldab Euroopa standardi EN 1179:2003 ingliskeelset teksti.	This Estonian standard EVS-EN 1179:2003 consists of the English text of the European standard EN 1179:2003.
Käesolev dokument on jõustatud 06.06.2003 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.	This document is endorsed on 06.06.2003 with the notification being published in the official publication of the Estonian national standardisation organisation.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.

<b>Käsitlusala:</b> This European Standard specifies the classification, chemical composition, marking and other requirements for primary zinc. The grades of zinc included in the standard are those which are traded internationally. The standard does not include requirements for secondary zinc produced by remelting	<b>Scope:</b> This European Standard specifies the classification, chemical composition, marking and other requirements for primary zinc. The grades of zinc included in the standard are those which are traded internationally. The standard does not include requirements for secondary zinc produced by remelting
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**ICS** 77.120.60

**Võtmesõnad:** alloys, chemical composition, designations, marking, materials, metals, non ferrous alloys, non-ferrous metals, non-ferrous alloys, primary, specification (approval), specifications, zinc, zinc alloys

**Hinnagrupp** D

English version

## Zinc and zinc alloys - Primary zinc

Zinc et alliages de zinc - Zinc primaire

Zink und Zinklegierungen - Primärzink

This European Standard was approved by CEN on 5 March 2003.

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 Management Centre or to any CEN member.

This European Standard exists 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 Management Centre has the same status as the official versions.

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



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## Foreword

This document (EN 1179:2003) has been prepared by Technical Committee CEN /TC 209 "Zinc and zinc 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 November 2003, and conflicting national standards shall be withdrawn at the latest by November 2002.

This document will supersede EN 1179:1995.

This is one of a series of European Standards for zinc and zinc alloy products. Other products are specified in the following standards:

EN 988, *Zinc and zinc alloys — Specifications for rolled flat products for building.*

EN 1774, *Zinc and zinc alloys — Alloys for foundry purposes — Ingot and liquid.*

EN 12844, *Zinc and zinc alloys — Castings — Specification.*

EN 13283, *Zinc and zinc alloys — Secondary zinc.*

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

## 1 Scope

This European Standard specifies the classification, chemical composition, marking and other requirements for primary zinc. The grades of zinc included in the standard are those which are traded internationally. The standard does not include requirements for secondary zinc produced by remelting.

## 2 Normative references

This European Standard incorporates by dated or 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 (including amendments).

EN 12060, *Zinc and zinc alloys — Method of sampling — Specifications.*

EN 12441-3, *Zinc and zinc alloys - Chemical analysis - Part 3: Determination of lead, cadmium and copper - Flame atomic absorption spectrometric method*

EN 12441-5, *Zinc and zinc alloys - Chemical analysis - Part 5: Determination of iron in primary zinc - Spectrophotometric method*

EN 12441-6, *Zinc and zinc alloys - Chemical analysis - Part 6: Determination of aluminium and iron - Flame atomic absorption spectrometric method*

## 3 Terms and definitions

For the purposes of this European Standard, the following terms and definitions apply:

### 3.1

#### **ingot**

cast product intended for remelting

### 3.2

#### **primary zinc**

zinc obtained from the ore, or other zinc-bearing material, by a process of distillation or by chemical or electrolytic reduction

NOTE Primary zinc is normally supplied in ingot form, but may also be available in liquid form.

### 3.3

#### **cast**

#### 3.3.1

##### **cast, for non-continuous casting**

product of one furnace, or crucible melt

#### 3.3.2

##### **cast, for continuous casting**

identified volume of liquid metal

### 3.4

#### **batch**

number of ingots taken from a single cast