

Vask ja vasesulamid. Ligatuurid

Copper and copper alloys - Master alloys

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 1981:2003 sisaldab Euroopa standardi EN 1981:2003 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 15.04.2003 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 1981:2003 consists of the English text of the European standard EN 1981:2003.</p> <p>This document is endorsed on 15.04.2003 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala:</p> <p>This European Standard specifies the compositions of copper-based master alloys intended for the manufacture, deoxidation, or desulfurization of cast or wrought alloys, especially those based on copper, supplied in the form of ingots, notched bar, notched slab (waffle plate), granules or broken pieces</p>	<p>Scope:</p> <p>This European Standard specifies the compositions of copper-based master alloys intended for the manufacture, deoxidation, or desulfurization of cast or wrought alloys, especially those based on copper, supplied in the form of ingots, notched bar, notched slab (waffle plate), granules or broken pieces</p>
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Võtmesõnad: analysis, chemical composition, composition, conformity, conformity tests, copper, copper alloys, definitions, designations, labelling, marking, master alloys, sampling, sampling methods, specification (approval), specifications

English version

Copper and copper alloys - Master alloys

Cuivre et alliages de cuivre - Alliages-mères

Kupfer und Kupferlegierungen - Vorlegierungen

This European Standard was approved by CEN on 28 November 2002.

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, Slovakia, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (EN 1981:2003) has been prepared by Technical Committee CEN/TC 133 "Copper and copper alloys", the secretariat of which is held by DIN.

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 August 2003, and conflicting national standards shall be withdrawn at the latest by August 2003.

This document supersedes EN 1981:1998.

In comparison with the first edition of EN 1981:1998, the following significant technical changes were made:

- a) Subclause 5 h) added;
- b) Compositions of the materials in Table 1 partially amended;
- c) CuMn20 (CM208E) and CuTi28 (CM235E) deleted;
- d) CuCo10 (CM237E), CuLi2 (CM123C), CuMg10 (CM238E), CuNi50 (CM239E), CuSi30(A) (CM240E), CuSi30(B) (CM241E), CuTi30 (CM244E), CuZr50(B) (CM242E), CuZr50(C) (CM243E) added.

Annex A is normative.

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.

Introduction

This European Standard has been prepared at the suggestion of the manufacturers of cast and wrought copper alloys, by representatives of the producers and users of master alloys. There is, at present, no similar international standard for copper-based master alloys.

In several cases more than one grade of a particular master alloy is specified, having differing impurity limits, to satisfy the requirements of various end products.

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1 Scope

This European Standard specifies the compositions of copper-based master alloys intended for the manufacture, deoxidation, or desulfurization of cast or wrought alloys, especially those based on copper, supplied in the form of ingots, notched bar, notched slab (waffle plate), granules or broken pieces.

A procedure is included for sampling the master alloys for analysis for verification of conformity to the composition requirements.

A method for the determination of chromium(III)-oxide in chromium-copper master alloy is given in annex A.

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 1655, *Copper and copper alloys — Declarations of conformity*.

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

NOTE Informative references to documents used in the preparation of this standard, and cited at the appropriate places in the text, are listed in the bibliography.

3 Terms and definitions

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

3.1

master alloy

alloy intended to add one or more elements to a melt

3.2

cast

product of one crucible, or one furnace, or one melt

3.3

batch

portion of master alloy taken from one cast

3.4

consignment

collection of products issued or received as one delivery, consisting of one or more batches of one master alloy

4 Designations

4.1 Material

4.1.1 General

The material is designated either by symbol or number (see Table 1).