

Vask ja vasesulamid. Vaskkatoovid

Copper and copper alloys - Copper cathodes

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 1978:1999 sisaldab Euroopa standardi EN 1978:1998 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 11.01.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 1978:1999 consists of the English text of the European standard EN 1978:1998.</p> <p>This document is endorsed on 11.01.2000 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: See Euroopa standard määrab kindlaks kahest vasemargist katoodide koostise ja kvaliteedinõuded. Nende markeeringud on Cu-CATH-1 (CR001A) ja Cu-CATH-2 (CR002A).</p>	<p>Scope:</p>
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ICS 77.150.30

Võtmesõnad: elektrilised omadused, katoodid, katsed, keemiline koostis, mõõtmed, märgistus, proovivõtmine, tähistused, vasesulamid, vask

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Descriptors: Copper, cathodes.

English version

Copper and copper alloys
Copper cathodes

Cuivre et alliages de cuivre – Cathodes en cuivre

Kupfer und Kupferlegierungen – Kupfer-Kathoden

This European Standard was approved by CEN on 1998-02-28.

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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.

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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 Technical Committee CEN/TC 133 "Copper and copper alloys", the secretariat of which is held by DIN.

Within its programme of work, Technical Committee CEN/TC 133 requested CEN/TC 133/WG 1 "Unwrought copper products" to prepare the following standard:

EN 1978 Copper and copper alloys - Copper cathodes

This is one of a series of European Standards for products manufactured from refined copper grades. Other products are specified as follows:

EN 1976 Copper and copper alloys - Cast unwrought copper products

EN 1977 Copper and copper alloys - Copper drawing stock (wire rod)

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 September 1998, and conflicting national standards shall be withdrawn at the latest by September 1998.

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, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Introduction

This standard was prepared to combine the various requirements and methods of test for copper cathodes, previously dealt with in a range of separate national standards.

Copper cathodes are intended for melting. Cu-CATH-1 (CR001A) is primarily intended for the production of high conductivity copper, such as for drawing stock. Cu-CATH-2 (CR002A) is intended for the production of other wrought products for electrical and general purposes.

1 Scope

This European Standard specifies the composition and property requirements for cathodes of two copper grades, designated Cu-CATH-1 (CR001A) and Cu-CATH-2 (CR002A).

Annex A (normative) describes methods for sampling cathodes for use in cases of dispute between the purchaser and the supplier. Annex B (informative) gives information on the relationships between electrical resistivity and conductivity of copper.

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.

EN 1655	Copper and copper alloys - Declarations of conformity
EN 10204	Metallic products - Types of inspection documents
IEC 468	Method of measurement of resistivity of metallic materials
ISO 1553	Unalloyed copper containing not less than 99,90 % of copper - Determination of copper content - Electrolytic method

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