

Steel wire and wire products - Non-ferrous metallic coatings on steel wire - Part 2: Zinc or zinc alloy coatings

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 10244-2:2001 sisaldab Euroopa standardi EN 10244-2:2001 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 16.11.2001 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 10244-2:2001 consists of the English text of the European standard EN 10244-2:2001.</p> <p>This document is endorsed on 16.11.2001 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 part of this European Standard specifies the requirements for coating mass, other properties and testing of zinc and zinc alloy coatings on steel wire of circular or other section and steel wire products.</p>	<p>Scope:</p> <p>This part of this European Standard specifies the requirements for coating mass, other properties and testing of zinc and zinc alloy coatings on steel wire of circular or other section and steel wire products.</p>
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Võtmesõnad: coatings, corrosion protection, definitions, mass, metals, non ferrous alloys, non-ferrous metals, products, quality, quality requirements, specification (approval), specifications, steel wires, zinc, zinc alloys, zinc coatings, testing, wires

Hinnagrupp H

ICS 25.220.40

English version

Steel wire and wire products - Non-ferrous metallic coatings on
steel wire - Part 2: Zinc or zinc alloy coatings

Fils et produits tréfilés en acier - Revêtements métalliques
non ferreux sur fils d'acier - Partie 2: Revêtements de zinc
ou d'alliage de zinc

Stahldraht und Drahterzeugnisse - Überzüge aus
Nichteisenmetall auf Stahldraht - Teil 2: Überzüge aus Zink
und Zinklegierungen

This European Standard was approved by CEN on 21 January 2001.

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



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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Foreword

This European Standard has been prepared by Technical Committee ECISS/TC 30 "Steel wires", the secretariat of which is held by BSI.

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 2001, and conflicting national standards shall be withdrawn at the latest by September 2001.

This European Standard for non-ferrous metallic coating on steel wire is made up of the following parts:

- Part 1 : General principles
- Part 2 : Zinc and zinc alloy coatings
- Part 3 : Aluminium coatings
- Part 4 : Tin coatings
- Part 5 : Nickel coatings
- Part 6 : Copper, bronze and brass coatings

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.

1 Scope

This part of this European Standard specifies the requirement for coating mass, other properties and testing of zinc and zinc alloy coatings on steel wire and steel wire products of circular or other section.

2 Normative reference

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 1179, *Zinc and zinc alloys — Primary zinc*

EN 10218-1, *Steel wire and wire products — General — Part 1: Test methods*

EN 10244-1, *Steel wire and wire products — Non-ferrous metallic coatings on steel wire — Part 1: General principles*

ISO 7989, *Zinc coatings for steel wire*

ASTM B 750, *Standard Specification for Zinc-5% Aluminium-Mischmetal¹ Alloy in Ingot Form for Hot-Dip Coatings*

3 Terms and definitions

For the purposes of this European standard the following terms and definitions apply.

3.1

wire with zinc or zinc alloy coating

wire to which zinc or zinc alloy coating has first been applied to protect it against corrosion. The coating method may be hot dipping in a bath of molten zinc or by means of an aqueous solution of suitable electrolyte. In the hot dipping process wiping media may be used to modify the mass of coating

3.2

zinc or zinc alloy coating

zinc alloy is zinc to which deliberately other elements are added in order to obtain particular characteristics. In all cases the quantity of zinc in the alloy shall be minimum 50 %. The most common alloy elements are aluminium, tin, nickel but other elements may also be considered

3.3

mass of coating

the mass of zinc per unit of surface area is expressed in grams per square metre of surface of bare wire

¹ Mischmetal is a mixture of rare earth metals (La and others) which is a by product from zinc production