

Steel for packaging - Flat steel products intended for use in contact with foodstuffs, products and beverages for human and animal consumption - Non-coated steel (blackplate)

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 10334:2005 sisaldab Euroopa standardi EN 10334:2005 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 30.05.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 10334:2005 consists of the English text of the European standard EN 10334:2005.</p> <p>This document is endorsed on 30.05.2005 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: This document specifies the maximum content for alloying and residual elements (see Table 1) present in steel (usually called blackplate) used in the manufacture of packaging and packaging components or for coated steel which, as a finished product, are intended for use in direct contact with foodstuffs, products and beverages for human and pet food. For such use blackplate is normally coated but can be used uncoated for some fatty or dry products.</p>	<p>Scope: This document specifies the maximum content for alloying and residual elements (see Table 1) present in steel (usually called blackplate) used in the manufacture of packaging and packaging components or for coated steel which, as a finished product, are intended for use in direct contact with foodstuffs, products and beverages for human and pet food. For such use blackplate is normally coated but can be used uncoated for some fatty or dry products.</p>
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English version

Steel for packaging - Flat steel products intended for use in contact with foodstuffs, products and beverages for human and animal consumption - Non-coated steel (blackplate)

Acier pour emballage - Produits plats en acier destiné à entrer au contact des denrées, produits et boissons pour l'alimentation de l'homme et des animaux - Acier non revêtu (fer noir)

Verpackungsblech - Flacherzeugnisse aus Stahl für die Verwendung in Berührung mit Lebensmitteln, Produkten und Getränken für den menschlichen und tierischen Verzehr - Unbeschichteter Stahl (Feinstblech)

This European Standard was approved by CEN on 7 March 2005.

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.

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 Central Secretariat has the same status as the official versions.

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



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Foreword

This document (EN 10334:2005) has been prepared by Technical Committee ECISS/TC 26 "Tinmill products - Qualities, dimensions, tolerances and specific tests", 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 October 2005, and conflicting national standards shall be withdrawn at the latest by October 2005.

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

1 Scope

This document specifies the maximum content for alloying and residual elements (see Table 1) present in steel (usually called blackplate) used in the manufacture of packaging and packaging components or for coated steel which, as a finished product, are intended for use in direct contact with foodstuffs, products and beverages for human and pet food. For such use blackplate is normally coated but can be used uncoated for some fatty or dry products.

The main examples of use are:

- tinplate and electrolytic chromium/chromium oxide coated steel for the manufacture of food and beverage cans ;
- cans for conditioning foodstuffs (sugar, tea, cake, chocolate, pasta, etc.) ;
- non-mineral oil drums, kegs, barrels.

The choice of material should be appropriate for the conditions of use.

This standard applies to cold-rolled strips in the form a coil or sheets.

This standard does not apply to categories of steel other than steel for packaging intended for use in contact with foodstuffs, products or beverages for human or animal consumption.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 10204, *Metallic products - Types of inspection documents*

EN 10205:1991, *Cold reduced blackplate in coil form for the production of tinplate or electrolytic chromium/chromium oxide coated steel*

EN ISO 14284, *Steel and iron - Sampling and preparation of samples for the determination of chemical composition (ISO 14284:1996)*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

blackplate

low-carbon mild steel which has been subjected to cold reduction, is used mainly in the manufacture of tinplate and electrolytic chromium/chromium oxide coated steel and has a minimum iron content greater than 95% by mass

3.2

steel intended for use in contact with foodstuffs

steel which under its normal or foreseeable conditions of use, does not transfer its constituents to foodstuffs in quantities which could endanger human or animal health or which could bring about an unacceptable change in the foodstuffs or a deterioration in their organoleptic properties