

<b>STN</b>	<b>Oceľ na obaly</b> <b>Ploché oceľové výrobky na potraviny, výrobky</b> <b>a nápoje pre ľudí a zvieratá</b> <b>Oceľ bez povlaku (čierny plech)</b>	<b>STN</b> <b>EN 10334</b>  42 0972
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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)

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 01/25

Obsahuje: EN 10334:2024

Oznámením tejto normy sa ruší  
STN EN 10334 (42 0972) zo septembra 2005

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EUROPEAN STANDARD

EN 10334

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2024

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Supersedes EN 10334:2005

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 23 October 2024.

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 CEN-CENELEC 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 CEN-CENELEC Management Centre has the same status as the official versions.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

**EN 10334:2024 (E)**

<b>Contents</b>		<b>Page</b>
<b>European foreword .....</b>		<b>3</b>
<b>1</b>	<b>Scope.....</b>	<b>4</b>
<b>2</b>	<b>Normative references.....</b>	<b>4</b>
<b>3</b>	<b>Terms and definitions.....</b>	<b>4</b>
<b>4</b>	<b>Information to be provided by the purchaser.....</b>	<b>5</b>
<b>5</b>	<b>Dimensions and dimensional tolerances.....</b>	<b>5</b>
<b>6</b>	<b>Requirements.....</b>	<b>5</b>
<b>6.1</b>	<b>Steel-making process.....</b>	<b>5</b>
<b>6.2</b>	<b>Chemical composition.....</b>	<b>5</b>
<b>6.3</b>	<b>Oiling.....</b>	<b>7</b>
<b>7</b>	<b>Checks.....</b>	<b>7</b>
<b>8</b>	<b>Sampling.....</b>	<b>7</b>
<b>9</b>	<b>Designation.....</b>	<b>7</b>
<b>10</b>	<b>Marking, labelling and packaging.....</b>	<b>7</b>
<b>Bibliography .....</b>		<b>8</b>

## European foreword

This document (EN 10334:2024) has been prepared by Technical Committee CEN/TC 459 “ECISS – European Committee for Iron and Steel Standardization”<sup>1</sup>, 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 May 2025 and conflicting national standards shall be withdrawn at the latest by May 2025.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 10334:2005.

The main changes compared to the previous edition are listed below:

- the normative references have been updated;
- a note to entry has been added in definition 3.3 steel for packaging;
- a note to entry has been added in definition 3.4 steel for other applications than packaging;
- a note has been added in 6.2;
- Clause 8 has been updated;
- Clause 9 has been updated;
- the Bibliography has been updated.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

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

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<sup>1</sup> Through its sub-committee SC 9 “Coated and uncoated flat products to be used for cold forming” (secretariat: AFNOR).

## EN 10334:2024 (E)

### 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 is appropriate for the conditions of use.

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

This document 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 documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 10205:2024, *Cold reduced tinmill products - Blackplate*

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

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**