



**SLOVENSKI STANDARD**  
**oSIST prEN 10333:2024**  
**01-julij-2024**

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**Jekla za embalažiranje – Ploščati jekleni izdelki, namenjeni stiku s hrano, pijačami in drugimi izdelki za ljudi in živali - Jeklo, prevlečeno s kositrom (pločevina)**

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

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

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 revêtu d'étain (fer blanc ou fer étamé)

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**Ta slovenski standard je istoveten z: prEN 10333**

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**ICS:**

67.250	Materiali in predmeti v stiku z živali	Materials and articles in contact with foodstuffs
77.140.50	Ploščati jekleni izdelki in polizdelki	Flat steel products and semi-products

**oSIST prEN 10333:2024**

**en,fr,de**



EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**DRAFT**  
**prEN 10333**

May 2024

ICS 67.250; 55.120; 55.130

Will supersede EN 10333:2005

English Version

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

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 revêtu d'étain (fer blanc ou fer étamé)

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This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 459/SC 9.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CEN 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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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

**Warning** : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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

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

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## European foreword

This document (prEN 10333:2024) has been prepared by Technical Committee CEN/TC 459 “Coated and uncoated flat products to be used for cold forming”, Subcommittee SC 9 “Coated and uncoated flat products to be used for cold forming” the secretariat of which is held by AFNOR.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 10333:2005.

prEN 10333:2024 includes the following significant technical changes with respect to EN 10333:2005:

- The normative references have been updated;
- The Annex A has been revised.

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## prEN 10333:2024 (E)

### 1 Scope

This document specifies the composition of the base steel used for the production of tinplate for use in direct contact with foodstuffs or products for human and animal consumption as well as the composition of tin used to coat it. Tinplate can be produced with or without an organic coating.

The main examples of use are:

- drinks cans,
- food cans,
- packaging of dry foods,
- aerosol cans.

The material is chosen in accordance with the conditions for its use.

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 610, *Tin and tin alloys — Ingot tin*

EN 10202:2022, *Cold reduced tinmill products — Electrolytic tinplate and electrolytic chromium/chromium oxide coated steel*

### 3 Terms and definitions

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

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- IEC Electropedia: available at <https://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

#### 3.1

##### **tinplate**

cold-rolled blackplate coated on at least one side with a layer of tin

Note 1 to entry: The mass of the coating can reach up to 15,1 g/m<sup>2</sup>.

#### 3.2

##### **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