

STN	Oceľ na obaly Ploché oceľové výrobky na potraviny, výrobky a nápoje pre ľudí a zvieratá Pocínovaná oceľ (pocínovaný plech)	STN EN 10333 42 0971
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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 - Tin coated steel (tinplate)

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

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Oznámením tejto normy sa ruší

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EUROPEAN STANDARD
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EN 10333

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ICS 67.250

Supersedes 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)

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

This European Standard was approved by CEN on 21 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 10333:2024 (E)

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European foreword

This document (EN 10333:2024) has been prepared by Technical Committee CEN/TC 459 “ECISS - European Committee for Iron and Steel Standardization”¹, 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 10333:2005.

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

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

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 organisations 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.

¹ Through its sub-committee CEN/TC 459/SC 9 “Coated and uncoated flat products to be used for cold forming” (secretariat: AFNOR).

EN 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*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN