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Vitreous and porcelain enamelled manufactured articles - Determination of resistance to heat (ISO 4530:2022)

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. 01/23

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EUROPEAN STANDARD

EN ISO 4530

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English Version

**Vitreous and porcelain enamelled manufactured articles -
Determination of resistance to heat (ISO 4530:2022)**

Pièces manufacturées recouvertes d'émaux vitrifiés -
Détermination de la résistance à la chaleur (ISO
4530:2022)

Emaillierte Gegenstände - Prüfung der
Wärmebeständigkeit (ISO 4530:2022)

This European Standard was approved by CEN on 29 October 2022.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN ISO 4530:2022 (E)

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European foreword

This document (EN ISO 4530:2022) has been prepared by Technical Committee ISO/TC 107 "Metallic and other inorganic coatings" in collaboration with Technical Committee CEN/TC 262 "Metallic and other inorganic coatings, including for corrosion protection and corrosion testing of metals and alloys" 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of an identical text or by endorsement, at the latest by May 2023, and conflicting national standards shall be withdrawn at the latest by May 2023.

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Endorsement notice

The text of ISO 4530:2022 has been approved by CEN as EN ISO 4530:2022 without any modification.

INTERNATIONAL STANDARD

ISO 4530

Second edition
2022-10

Vitreous and porcelain enamelled manufactured articles — Determination of resistance to heat

*Pièces manufacturées recouvertes d'émaux vitrifiés — Détermination
de la résistance à la chaleur*



Reference number
ISO 4530:2022(E)

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ISO 4530:2022(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 107, *Metallic and other inorganic coatings*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 262, *Metallic and other inorganic coatings*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 4530:1983), which has been technically revised.

The main changes compared to the previous edition are as follows:

- the scope has been expanded to include flue pipes;
- normative references and terms and definitions have been added;
- a clarification has been provided on the test apparatus, procedure and reporting requirements.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Vitreous and porcelain enamelled manufactured articles — Determination of resistance to heat

1 Scope

This document specifies the basic conditions concerning the method for determining the resistance of vitreous and porcelain enamelled articles to heat.

The method specified is applicable to vitreous and porcelain enamelled articles that are, in service, subjected to high temperature, for example, to some cooker components, exhaust pipe silencers, gas heating chimneys and flue pipes.

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.

ISO 19496-1, *Vitreous and porcelain enamels — Terminology — Part 1: Terms and definitions*

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