

## საქართველოს სტანდარტი

სსკ: 13.220.50

რეაქცია პროდუქტების ხანძრის გამოცდებზე - არაწვადობის გამოცდა  
(ისო 1182:2020)

საინფორმაციო ნაწილი. სრული ტექსტის სანახავად შეიძინეთ სტანდარტი.

# სსტ ენ ისო 1182:2020/2023

## საინფორმაციო მონაცემები

1 მიღებულია და დაშვებულია სამოქმედოდ: სსიპ-საქართველოს სტანდარტებისა და მეტროლოგიის ეროვნული სააგენტოს გენერალური დირექტორის 01/05/2023 წლის № 47 განკარგულებით

2 მიღებულია „თავფურცლის“ თარგმნის მეთოდით: სტანდარტიზაციის ევროპული კომიტეტის (ენ) სტანდარტი ენ ისო 1182:2020 „რეაქცია პროდუქტების ხანძრის გამოცდებზე - არაწვადობის გამოცდა (ისო 1182:2020)“

### 3 პირველად

4 რეგისტრირებულია: სსიპ-საქართველოს სტანდარტებისა და მეტროლოგიის ეროვნული სააგენტოს რეესტრში: 01/05/2023 წლის №268-1.3-028927

წინამდებარე სტანდარტის ნებისმიერი ფორმით გავრცელება სააგენტოს ნებართვის გარეშე აკრძალულია

English Version

Reaction to fire tests for products - Non-combustibility test  
(ISO 1182:2020)

Essais de réaction au feu de produits - Essai  
d'incombustibilité (ISO 1182:2020)

Prüfungen zum Brandverhalten von Produkten -  
Nichtbrennbarkeitsprüfung (ISO 1182:2020)

This European Standard was approved by CEN on 1 May 2020.

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## European foreword

This document (EN ISO 1182:2020) has been prepared by Technical Committee ISO/TC 92 "Fire safety" in collaboration with Technical Committee CEN/TC 127 "Fire safety in buildings" 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of an identical text or by endorsement, at the latest by December 2020, and conflicting national standards shall be withdrawn at the latest by December 2021.

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 ISO 1182:2010.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

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## Endorsement notice

The text of ISO 1182:2020 has been approved by CEN as EN ISO 1182:2020 without any modification.

# INTERNATIONAL STANDARD

# ISO 1182

Sixth edition  
2020-06

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## Reaction to fire tests for products — Non-combustibility test

*Essais de réaction au feu de produits — Essai d'incombustibilité*

საინფორმაციო ნაწილი. სრული ტექსტის სანახავად შეიძინეთ სტანდარტი.



Reference number  
ISO 1182:2020(E)

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Published in Switzerland

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## 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](http://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](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 92, *Fire safety*, Subcommittee SC 1, *Fire initiation and growth*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 127, *Fire safety in buildings*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This sixth edition cancels and replaces the fifth edition (ISO 1182:2010), which has been technically revised. The main changes compared to the previous edition are as follows:

- a second furnace thermocouple has been introduced in [Subclauses 4.4, 7.2.2, 7.2.4](#) and [8.3, Clause 9](#) and [Figure 2](#);
- the calibration procedure of the furnace wall temperature has been adjusted;
- [Formulae \(16\)](#) and [\(17\)](#) have been aligned with the values in Table 3;
- in [Clause 5](#), the range of uncertainty in size of specimen has been reduced;
- [Annex D](#) has been corrected.

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](http://www.iso.org/members.html).

## Introduction

This fire test has been developed for use by those responsible for the selection of construction products which, whilst not completely inert, produce only a very limited amount of heat and flame when exposed to temperatures of approximately 750 °C.

The limitation of the field of application to testing homogeneous products and substantial components of non-homogeneous products was introduced because of problems in defining specifications for the specimens. The design of the specimen of non-homogeneous products strongly influences the test results, which is the reason non-homogeneous products cannot be tested to this document.