

EHITUSKLAAS. LAMINEERITUD KLAAS JA  
LAMINEERITUD TURVAKLAAS. OSA 6: VÄLIMUS

Glass in building - Laminated glass and laminated  
safety glass - Part 6: Appearance (ISO 12543-6:2021)

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 12543-6:2022 sisaldab Euroopa standardi EN ISO 12543-6:2021 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 12543-6:2022 consists of the English text of the European standard EN ISO 12543-6:2021.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 22.12.2021.	Date of Availability of the European standard is 22.12.2021.
Standard on kättesaadav Eesti Standardimis- ja Akrediteerimiskeskusest.	The standard is available from the Estonian Centre for Standardisation and Accreditation.

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ICS 81.040.20

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EUROPEAN STANDARD

EN ISO 12543-6

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2021

ICS 81.040.20

Supersedes EN ISO 12543-6:2011, EN ISO 12543-6:2011/AC:2012

English Version

## Glass in building - Laminated glass and laminated safety glass - Part 6: Appearance (ISO 12543-6:2021)

Verre dans la construction - Verre feuilleté et verre feuilleté de sécurité - Partie 6: Aspect (ISO 12543-6:2021)

Glas im Bauwesen - Verbundglas und Verbund-Sicherheitsglas - Teil 6: Aussehen (ISO 12543-6:2021)

This European Standard was approved by CEN on 25 October 2021.

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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

## European foreword

This document (EN ISO 12543-6:2021) has been prepared by Technical Committee ISO/TC 160 "Glass in building" in collaboration with Technical Committee CEN/TC 129 "Glass in building" the secretariat of which is held by NBN.

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 June 2022, and conflicting national standards shall be withdrawn at the latest by June 2022.

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 12543-6:2011.

Any feedback and questions on this document should be directed to the users' national standards body/national committee. 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, Turkey and the United Kingdom.

## Endorsement notice

The text of ISO 12543-6:2021 has been approved by CEN as EN ISO 12543-6:2021 without any modification.

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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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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

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 160, *Glass in building*, Subcommittee SC 1, *Product considerations*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 129, *Glass in building*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 12543-6:2011) and the technical corrigendum ISO 12543-6:2011/Cor 1:2012, which have been technically revised.

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

- some definitions have been revised;
- a paragraph on laminated glass incorporating thermally treated glasses has been added;
- a method of observation of glasses by pack for jumbos or stock sizes has been added.

A list of all parts in the ISO 12543 series can be found on the ISO website.

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).

# Glass in building — Laminated glass and laminated safety glass —

## Part 6: Appearance

### 1 Scope

This document specifies defects of finished sizes and test methods with regard to the appearance of laminated glass and laminated safety glass when looking through the glass.

All references to laminated glass in this document refer to both laminated glass and laminated safety glass.

NOTE Special attention is paid to acceptability criteria in the vision area.

This document is applicable to finished sizes at the time of supply.

### 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 12543-1, *Glass in building — Laminated glass and laminated safety glass — Part 1: Definitions and description of component parts*

ISO 12543-5, *Glass in building — Laminated glass and laminated safety glass — Part 5: Dimensions and edge finishing*

### 3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 12543-1, and the following apply.

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

— ISO Online browsing platform: available at <https://www.iso.org/obp>

— IEC Electropedia: available at <https://www.electropedia.org/>

#### 3.1

##### **spot defect**

type of defect that includes *opaque spots* (3.3), bubbles and *foreign bodies* (3.4)

#### 3.2

##### **linear defect**

type of defect that includes *foreign bodies* (3.4) and *scratches* (3.5) or *grazes* (3.6)

#### 3.3

##### **opaque spot**

visible defects in the laminated glass

EXAMPLE Tin marks and inclusions in the glass or interlayer.