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

**Part 1:
Definitions and description of component
parts**

*Verre dans la construction — Verre feuilleté et verre feuilleté de
sécurité —*

Partie 1: Définitions et description des composants



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Foreword

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ISO 12543-1 was prepared by Technical Committee ISO/TC 160, *Glass in building*, Subcommittee SC 1, *Product considerations*.

This second edition cancels and replaces the first edition (ISO 12543-1:1998), which has been technically revised.

ISO 12543 consists of the following parts, under the general title *Glass in building — Laminated glass and laminated safety glass*:

- *Part 1: Definitions and description of component parts*
- *Part 2: Laminated safety glass*
- *Part 3: Laminated glass*
- *Part 4: Test methods for durability*
- *Part 5: Dimensions and edge finishing*
- *Part 6: Appearance*

Glass in building — Laminated glass and laminated safety glass —

Part 1: Definitions and description of component parts

1 Scope

This part of ISO 12543 defines terms and describes component parts for laminated glass and laminated safety glass for use in building.

2 Terms and definitions

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

NOTE Definitions 2.3 onwards apply to both laminated glass and laminated safety glass.

2.1

laminated glass

assembly consisting of one sheet of glass with one or more sheets of glass and/or plastic glazing sheet material joined together with one or more interlayers

2.2

laminated safety glass

laminated glass where in the case of breakage the interlayer serves to retain the glass fragments, limits the size of opening, offers residual resistance and reduces the risk of cutting or piercing injuries

See ISO 12543-2.

2.3

laminated glass with fire-resistant properties

laminated glass that does not achieve its fire resistance by means of interlayers, which react to high temperatures

NOTE No glass product in itself can be classified as fire resistant. When the glass product is glazed into an appropriate frame system, the assembly can be tested and classified as fire resistant. This type of laminated glass can be used as a component in a fire-resisting glazed assembly.

2.4

fire-resistant laminated glass

laminated glass where at least one interlayer reacts to the high temperature to give the product its fire resistance

NOTE This product can also contain glass components which are themselves fire resistant. No glass product in itself can be classified as fire resistant. When the glass product is glazed into an appropriate frame system, the assembly can be tested and classified as fire resistant. This type of laminated glass can be used as a component in a fire-resisting glazed assembly.