
**Large yachts — Strength,
weathertightness and watertightness
of glazed openings —**

**Part 3:
Quality assurance, installation and in-
service inspection**

*Grands yachts — Résistance, imperméabilité au mauvais temps et
étanchéité des ouvertures vitrées —*

Partie 3: Assurance qualité, installation et inspection en service



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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).

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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.

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A list of all parts in the ISO 11336 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.

Large yachts — Strength, weathertightness and watertightness of glazed openings —

Part 3: Quality assurance, installation and in-service inspection

1 Scope

This document specifies

- the content of the product data sheet of glazing materials for use on yachts,
- the evaluation of conformity to the product data sheet of laminated glass and laminated safety glass for use on yachts,
- the product labelling and identification methods for glass supplied for installation on board a yacht, and
- methods for survey of installed glazing.

It does not cover distortion of view or aesthetic aspects.

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 527-2, *Plastics — Determination of tensile properties — Part 2: Test conditions for moulding and extrusion plastics*

ISO 1288-3, *Glass in building — Determination of the bending strength of glass — Part 3: Test with specimen supported at two points (four point bending)*

ISO 11336-1:2012, *Large yachts — Strength, weathertightness and watertightness of glazed openings — Part 1: Design criteria, materials, framing and testing of independent glazed openings*

ISO 11963, *Plastics — Polycarbonate sheets — Types, dimensions and characteristics*

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

ISO 12543-2, *Glass in building — Laminated glass and laminated safety glass — Part 2: Laminated safety glass*

ISO 12543-3, *Glass in building — Laminated glass and laminated safety glass — Part 3: Laminated glass*

ISO 12543-4, *Glass in building — Laminated glass and laminated safety glass — Part 4: Test methods for durability*

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

ISO 12543-6, *Glass in building — Laminated glass and laminated safety glass — Part 6: Appearance*

ISO 21005, *Ships and marine technology — Thermally toughened safety glass panes for windows and side scuttles*

ISO/IEC 17025, *General requirements for the competence of testing and calibration laboratories*

EN 572-1, *Glass in building — Basic soda-lime silicate glass products — Part 1: Definitions and general physical and mechanical properties*

EN 1863-1, *Glass in building — Heat strengthened soda lime silicate glass — Part 1: Definition and description*

EN 12150-1, *Glass in building — Thermally toughened soda lime silicate safety glass — Part 1: Definition and description*

EN 12337-1, *Glass in building — Chemically strengthened soda lime silicate glass — Part 1: Definition and description*

EN 12603, *Glass in building — Procedures for goodness of fit and confidence intervals for Weibull distributed glass strength data*

EN 14449, *Glass in building — Laminated glass and laminated safety glass — Evaluation of conformity*

DIN 2304, *Adhesive bonding technology — Quality requirements for adhesive bonding processes*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 12543 (all parts), ISO 11336-1, and the following apply.

3.1

initial examination

initial verification that the properties of the product are as given in the product description

Note 1 to entry: The initial examination can and generally does consist of a combination of actual (physical) testing of representative samples of production or of prototypes and assessment of documentation.

3.2

test report

document that gives the results of an initial examination

3.3

product description

document that details the relevant properties of the glazing product, including the permitted tolerances for the properties, as well as specific reference(s) to characteristics that are modified by the production process and the information required to carry out survey on the manufacturing process

3.4

significant change

variation in performance beyond the permitted tolerance for the relevant parameters

3.5

glazing manufacturer

entity issuing and signing the declaration of conformity

3.6

product data sheet

document giving the properties of the final product, intended to be published to be used for engineering purposes