INTERNATIONAL STANDARD

ISO 21005

Second edition
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Ships and marine technology — Thermally toughened safety glass panes for windows and side scuttles

Navires et technologie maritime — Verres de sécurité trempés thermiquement pour fenêtres et hublots

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Foreword

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 21005 was prepared by Technical Committee ISO/TC 8, *Ships and marine technology*, Subcommittee SC 8, *Ship design*.

This second edition cancels and replaces the first edition (ISO 21005:2004), which has been technically revised.

Ships and marine technology — Thermally toughened safety glass panes for windows and side scuttles

1 Scope

This International Standard specifies materials and finish, dimensions for interchangeability, tolerances, parallelism and flatness, testing, marking and designation of thermally toughened safety glass panes for windows complying with ISO 3903 and side scuttles complying with ISO 1751.

2 Normative references

The following referenced documents are indispensable for the application 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 614, *Ships and marine technology — Toughened safety glass panes for rectangular windows and side scuttles — Punch method of non-destructive strength testing*[1)]

ISO 1751, *Ships and marine technology — Ships' side scuttles*[2)]

ISO 3903, *Shipbuilding and marine structures — Ships' ordinary rectangular windows*[3)]

ISO 6345, *Shipbuilding and marine structures — Windows and side scuttles — Vocabulary*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 6345 and the following apply.

3.1
batch of glass panes
quantity of glass panes of the same nominal size and nominal thickness, produced in the same process under consistent controlled conditions

4 Material

Thermally toughened safety glass shall be manufactured of plate glass, either float or polished.

5 Finish

The finished glass pane shall meet the strength requirement of ISO 614. If the finishing method used on the glass pane lowers its strength below the strength required by ISO 614 for the untreated plate, either the finishing method needs to be changed or a thicker glass pane shall be used.

1) To be published. Revision of ISO 614:1989.

2) To be published. Revision of ISO 1751:1993.

3) To be published. Revision of ISO 3903:1993.