
**Ships and marine technology —
Fireproof watertight hatch covers**

*Navires et technologie marine — Panneaux d'écouille étanches à
l'eau et ignifuges*



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Foreword

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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.

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

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.

Ships and marine technology — Fireproof watertight hatch covers

1 Scope

This document specifies the classification, flagging, requirements, test methods, inspection rules, markings, packaging, transportation and storage of fireproof watertight hatch covers installed on decks (hereafter referred to as “hatch covers”).

This document applies to the design, manufacture and acceptance of fireproof watertight hatch covers installed on decks of ships where anticipated water pressure by wave is up to 10 m.

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 8501-1, *Preparation of steel substrates before application of paints and related products — Visual assessment of surface cleanliness — Part 1: Rust grades and preparation grades of uncoated steel substrates and of steel substrates after overall removal of previous coatings*

IEC 60529, *Degrees of Protection provided by enclosures (IP Code)*

IMO *International Convention for the Safety of Life at Sea (SOLAS)*, 1974, and its *Protocol of 1988, as amended*

IMO *International Code for Application of Fire Test Procedures*, 2010 (2010 FTP Code), *Resolution 307(88), as amended*

3 Terms and definitions

No terms and definitions are listed in this document.

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/>

4 Classification and designation

4.1 Types

4.1.1 Based on their shape, watertight hatch covers shall be classified into the two following types:

- A-type (round hatch cover);
- B-type (square or rectangular hatch cover).

4.1.2 According to the fire-protection rating, watertight hatch covers shall be classified into three levels: A-60, A-30, and A-0.