

ICS 47.020.10
CCS U 26



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 17434-2025

Replacing GB/T 17434-2008

Specifications for marine fire-resistant windows

船用耐火窗技术条件

(English Translation)

Issued on: June 30, 2025

Implemented on: January 1, 2026

**Issued by: State Administration for Market Regulation, China National
Standardization Administration**

Table of Contents

- Foreword
- 1 Scope
- 2 Normative references
- 3 Terms and Definitions

Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document replaces GB/T 17434-2008 "Technical Specifications for Marine Fire-Resistant Windows". Compared with GB/T 17434-2008, except for the structural adjustment Besides the editorial changes, the main technical changes are as follows.

- a) Deleted the B-30 grade for marine fire-resistant windows and related content [see 3.2 and 8.2b) of the 2008 edition];
- b) The fire resistance levels of marine fire-resistant windows have been changed (see Table 1, Table 1 of the 2008 edition);
- c) The inspection rules for marine fire-resistant windows have been deleted (see Chapter 6 of the 2008 edition);
- d) The test report requirements have been changed (see Chapter 7, Chapter 7 of the 2008 edition);
- e) The requirements for fire-resistant glass sheets have been changed, and the test method for fire-resistant glass sheets has been deleted (see Appendix A, Appendix A of the 2008 edition);
- f) The requirements for fire-resistant structures have been changed, and the standard fire resistance test has been deleted (see Appendix B, Appendix B of the 2008 edition);
- g) The standard time-temperature calculation formula and curve diagram for "H" class fire-resistant divisions have been changed (see C.2, C.2 of the 2008 edition).

1 Scope

This document specifies the classification of marine fire resistant windows, as well as the design, fire resistant glazing, test report and marking requirements.

This document applies to the design of rectangular windows and portholes of fire-resistant construction installed on ships and offshore structures.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document.

For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to this document.

GB/T 5137.3-2020 Test methods for automotive safety glazing - Part 3: Resistance to radiation, high temperature, humidity, fire and simulated climate test

ISO 614 Ships and marine technology - Tempered glass for side scuttles and rectangular windows - Non-destructive strength tests - Punch method

ISO/TR 834-3 Fire resistance tests for building structural elements - Part 3: Application and evaluation of test methods and test data

ISO 5780 Shipbuilding - Side cuttles - Positioning

Classification Rules for Offshore Mobile Platforms China Classification Society

3 Terms and Definitions

There are no terms or definitions that require definition in this document.