

ICS 13.340.50
CCS C 73



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

GB/T 20098-2006

Replacing GB/T 20098-2006

Foot protection - General technical specifications

低温环境作业保护靴通用技术要求

(English Translation)

Issued on: August 29, 2025

Implemented on: September 1, 2026

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

Table of Contents

Preface
1 Scope
2 Normative references
3 Terms and Definitions
4 Classification and style of foot protection equipment
5 Harmlessness requirement
6 Ergonomic requirements
7 Requirements for foot protective footwear
8 Protection performance requirements
9 Labelling and manufacturer's information

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 20098-2006 "General technical requirements for protective boots for working in low temperature environments" and is consistent with GB/T 20098-2006.

In addition to structural adjustments and editorial changes, the main technical changes are as follows.

- Changed the scope of application (see Chapter 1, Chapter 1 of the 2006 edition);
- Deleted the requirements and test methods (see Chapter 3 and Chapter 4 of the 2006 edition);
- Added terms and definitions (see Chapter 3);
- Added the classification and style of foot protective equipment (see Chapter 4);
- Added harmlessness requirements (see Chapter 5);
- Added ergonomic requirements (see Chapter 6);
- Added requirements for foot protective footwear (see Chapter 7);
- Increased protection performance requirements (see Chapter 8);

--- Changed the labeling and information requirements provided by the manufacturer (see Chapter 9, Chapter 5 of the 2006 edition).

1 Scope

This document provides the classification and style of foot protection equipment, and stipulates the requirements for harmlessness, ergonomics, and foot protection footwear.

requirements, protective function requirements, marking and information provided by the manufacturer.

This document applies to foot protective equipment used to protect against physical and chemical injuries.

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 20265 Foot protection shoes against chemicals GB/T 20991-2024 Test methods for foot protection shoes GB 21148 Foot protection safety shoes GB/T 28287 Test method for slip resistance of protective footwear GB 31420 Requirements for toxic, hazardous and limited substances in personal protective equipment

3 Terms and Definitions

The following terms and definitions apply to this document.

safety shoes safetyfootwear Footwear designed to protect the wearer's feet from physical and chemical injuries.

Note: This does not include firefighters' boots, shoes to protect against chain saw cutting, shoes to protect against molten metal and molten metal splash, and shoes for motorcycle riders.

Footwear that protects the wearer's feet from chemicals used during work.

outsole

Sole components.

Pattern cleat(s)

The raised portion on the outer surface of the sole.

restricted substance Chemical substances in shoes (boots) or shoe (boot) materials that

are harmful to the wearer's health and/or have adverse effects on the environment.