

ICS 13.100
CCS C 72



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

GB/T 7691-1987

Replacing GB 7691-2003

**General rules for safety management of coating operations
(English Translation)**

Issued on: October 31, 2025

Implemented on: May 1, 2026

Issued by: State Administration for Market Regulation

Table of Contents

Preface
1 Scope
2 Normative References
3 Terms and Definitions
4 General Requirements
5 Coatings and related chemicals
6 Painting process
7 Coating equipment and instruments
8 Painting work area
References

Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

Drafting.

This document replaces GB 7691-2003 "Safety Regulations and General Rules for Safety Management of Painting Operations". Compared with GB 7691-2003, except for the structure...

Aside from adjustments and editorial changes, the main technical changes are as follows.

- a) The scope of application has been changed, and the scope of application of this document has been removed (see Chapter 1, Chapter 1 of the 2003 edition);
- b) Add the terms and definitions for "painting operation" and "painting operation site" (see 3.1, 3.2);
- c) The requirements for safety training have been changed (see 4.4, Chapter 16 of the 2003 edition);
- d) The requirements for safety signs have been changed (see 4.5, Chapter 14 of the 2003 edition);
- e) The requirements for personal protective equipment have been changed (see 4.6, Chapter 19 of the 2003 edition);
- f) The requirements for occupational health management have been changed (see 4.7,

Chapter 18 of the 2003 edition);

- g) The requirements for the selection, storage, and transportation of coatings and related chemicals have been changed (see Chapter 5, 2003 edition, 4.1, 5.5, 5.6).
- h) The requirements for the research, production, and sale of coatings and related chemicals have been deleted (see 5.1, 5.2, 5.3, and 5.4 of the 2003 edition);
- i) The requirements for the research, design, manufacture, and sale of coating equipment have been removed (see 6.1, 6.3, 6.4, and 6.6 of the 2003 edition);
- j) The painting process that should not have been used was changed (see 6.1, 4.2 of the 2003 edition);
- k) The requirements for researching, designing, importing, and exporting coating processes have been removed (see 7.1, 7.2, 7.3, 7.4, and 7.5 in the 2003 edition);
- l) The requirements for the installation, commissioning, and acceptance of coating equipment have been revised (see 7.13, 6.8 and Chapter 11 of the 2003 edition);
- m) The requirements for the operation and maintenance of coating equipment have been changed (see 7.14, 7.15, Chapter 13 of the 2003 edition);
- (n) The requirements for basic construction and technological upgrading have been removed (see Chapter 8 of the 2003 edition);
- o) The requirements for painting operations in confined spaces have been changed (see 8.5, Chapter 10 of the 2003 edition);
- p) The requirement for occupational hazard factor testing has been removed (see 17.2 and 17.3 of the 2003 edition);
- q) The requirement for special protection of women and minors has been removed (Chapter 21, 2003 edition);
- r) The requirements for contracting and leasing have been removed (see Chapter 22 of the 2003 edition);
- s) The basic requirements for occupational health testing, commonly used personal protective equipment in painting workplaces, and hazardous factors in painting operations have been deleted.

Requirements (see Appendix A, Appendix B, and Appendix C of the 2003 edition).

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed and is under the jurisdiction of the Ministry of Emergency Management of the People's Republic of China.

The release history of this document and the document it replaces is as follows.

---First published in 1987 (GB 7691-1987), revised for the first time in 2003;

---This is the second revision.

General Rules for Safety Management of Painting Operations

1 Scope

This document specifies the coatings and related chemicals involved in painting operations, painting processes, painting equipment and instruments, and safety procedures for painting work sites.

The basic requirements of comprehensive management.

This document applies to the safety management of coating operations on metal or non-metal surfaces using paints and related chemicals.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included.

For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies.

This document.

GB/T 150.1 Pressure Vessels - Part 1: General Requirements GB/T 150.2 Pressure Vessels - Part 2: Materials GB/T 150.3 Pressure Vessels - Part 3: Design GB/T 150.4 Pressure Vessels - Part 4: Manufacturing, Inspection and Acceptance GB 2894 Safety Colors and Safety Signs GB 6514 Safety Regulations for Painting Operations. Safety of Painting Processes and Ventilation GB 6944 Classification and Code of Dangerous Goods GB 12158 General requirements for the prevention of electrostatic discharge accidents GB 12268 List of Dangerous Goods GB 12367 Safety Specifications for Electrostatic Spray Painting GB 12463 General Technical Requirements for Transport Packaging of Dangerous Goods GB/T 14441 Safety Terminology for Painting Operations GB 14443 Safety Technical Requirements for Coating Drying Chambers GB 14444 Safety Technical Requirements for Spray Painting Booths GB 14773 Safety Technical Requirements for Handheld Electrostatic Spray Guns and Their Auxiliary Devices GB 15258 Regulations for Writing Safety Labels for Chemicals GB 15603 General Rules for Storage of Hazardous Chemicals in Warehouses GB 15607 Safety Regulations for Coating Operations - Safety of Powder Electrostatic Spraying Process GB 15630 Requirements for the Installation of Fire Safety Signs GB/T 16483 Contents and Item Order of Safety Data Sheets for Chemicals GB 17750 Safety Regulations for Coating Operations - Safety of Dip Coating Process GB.20101 Safety

Technical Requirements for Organic Waste Gas Purification Devices in Coating Industry GB
39800.1 Specifications for the Configuration of Personal Protective Equipment Part 1:
General Provisions GB 50016 Code for Fire Protection Design of Buildings GB 50058
Design Code for Electrical Installations in Explosive Atmospheres GB 50140 Code for
Design of Fire Extinguisher Configuration in Buildings