



GB 30981.2-XXXX

**Limit of Harmful Substances of Coating
Materials Part 2: Industrial Coatings (Draft)**

涂料中有害物质限量 第2部分: 工业涂料 (草案)



National Standard of the People's Republic of China

GB 30981.2-XXXX

In place of GB 18581—2020, GB 24613—2009,
GB 24409—2020, GB 34689—2019, GB 30981—2020

Limit of Harmful Substances of Coating Materials Part 2: Industrial Coatings

4th Draft (completed on 2024-04-10)

Issued on XXXX-XX-XX

Implemented on XXXX-XX-XX

Issued by State Administration for Market Regulation of the People's Republic of
China, and Standardization Administration of the People's Republic of China

Contents

Introduction	1
Foreword	2
1 Scope	5
2 Normative References	5
3 Terms and Definitions	6
4 Product Classification and Marking	13
5 Requirements	14
6 Test Method	23
7 Inspection Rules	26
8 Package Mark	26
9 Implementation of Standard	27
Appendix A	28
Bibliography	33

Introduction

The production and use of coatings have a long history, which has made significant contributions to the development of human society and will continue to play a greater role in the future.

The safety of coatings is closely related to consumers' health and the coatings industry has always been an important area in air pollution prevention and control programs. In recent years, environmentally friendly coatings such as water-borne coatings, high-solid coatings, solvent-free coatings, low VOC radiation-curable coatings, and coating powders have experienced significant development in China, driven by environmental protection requirements and industrial policies. The reduction of VOC emissions in the coatings industry in China has also made significant progress.

In order to scientifically regulate the safety and environmental friendliness of coating products, promote the high-quality and sustainable development of the coatings industry in China, and enhance the competitiveness of China's coating products in the international market, timely revisions have been made to GB 30981 *Limit of Harmful Substances of Coating Materials*.

GB 30981 *Limit of Harmful Substances of Coating Materials* consists of two parts:

- Part 1: Architectural coatings, which aim to standardize the limitation requirements, testing methods, inspection rules, and packaging marking, etc. of various types of architectural coatings and their accessory materials.
- Part 2: Industrial coatings, which aim to standardize the limitation requirements, testing methods, inspection rules, and packaging marking, etc. of various types of industrial coatings and their accessory materials.

Foreword

All technical contents in this standard are mandatory.

This standard is drafted in accordance with the rules given in GB/T 1.1-2009 *Directives for Standardization - Part 1: Rules for the Structure and Drafting of Standardizing Documents*.

This standard consists of two parts:

- Part 1: Architectural coatings
- Part 2: Industrial coatings

This standard is Part 2 of GB 30981 *Limit of Harmful Substances of Coating Materials*.

This standard replaces GB 18581-2020 *Limit of Harmful Substances of Woodenware Coatings*, GB 24613-2009 *Limit of Harmful Substances of Coatings for Toys*, GB 24409-2020 *Limit of Harmful Substances of Vehicle Coatings*, GB 38469-2019 *Limit of Harmful Substances of Marine Coatings*, and GB 30981-2020 *Limit of Harmful Substances of Industrial Protective Coatings*. Based on GB 30981-2020, this standard integrates the content of GB 18581-2020, GB 24613-2009, GB 24409-2020, and GB 38469-2019. Compared to GB 30981-2020, apart from structural adjustments and editorial changes, the main technical changes are as follows:

- Modified the name of the standard;
- Modified the scope of the standard (Chapter 1, and Chapter 1 of GB 30981-2020);
- Updated “GB/T 23986-2009” to “GB/T 23986.2-2023”; added normative references “GB/T 5206, GB/T 6822, GB/T 9754-2007, GB/T 18446-2009, GB/T 23991-2009, GB/T 25011-2010, GB/T 26085-2010, GB/T 30646-2014, GB/T 31414-2015, GB/T 33395-2016, GB/T 41764-2022, GB/T 41764-2022, GB/T 41953-2022” (Chapter 2, and Chapter 2 of GB 30981-2020);
- Deleted terms and definitions of “shop primer” and “volatile organic compound content”; added terms and definitions of “water-borne coatings”, “solvent-borne coatings”, “radiation curable coatings”, “solvent-free coatings”, “coating powder”, “coatings for consumer product closely contacting with human body”, “solvent-borne polyurethane woodenware coatings”, “solvent-borne nitrocellulose woodenware coatings”, “solvent-borne alkyd woodenware coatings”, “solvent-borne unsaturated polyester woodenware coatings”, “decorative panel coatings”, “toy coatings”, “Original equipment manufacturer coatings”, “passenger car”, “goods vehicle”, “bus (vehicle)”, “special motor vehicle”, “low-speed vehicle”, “trailer”, “rail transit vehicle”, “powered car train-set”, “coach (railway vehicle)”, “urban rail transit system”, “wagon (rail transit vehicle)”, “high decorative coatings including effect pigment”, “ship/vessel”, “marine coatings”, “anti-fouling paint”, “biocide”, “hardware product



Free



Free trial



Standard



Corporate



Special

SUBSCRIBE TO CHEMLINKED NOW

REMOVE CHEMICAL REGULATORY BARRIERS EXPEDITE ASIA MARKET ACCESS

- In-time regulatory information and market access requirements
- Supported by local and experienced technically adept technical team
- Strategic partnerships with competent authorities and industrial associations worldwide
- Customized consulting service for complete compliance solutions.

OUR SERVICES



Information

News, Alerts



Knowledge

Pedia-articles,
Regulatory Analysis, Market Insights, Reports



Databases

Regulatory Database,
English Translations, Lists/Inventories, Q&A



Training

Webinars, Online courses, Offline events



Solutions

Translation, Consultancy, Advertising,
Tailored Regulatory Report,
Business-matching services,
Tailored online and offline training