



GB 30981.2—XXXX

Limit of harmful substances of coating materials Part 1: Industrial coatings (draft for approval)

涂料中有害物质限量第2部分：工业涂料（报批稿）

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Translated by ChemLinked

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National Standard of the People's Republic of China

GB 30981.2—XXXX

In place of GB 18581—2020, GB 24409—2020, GB 24613—2009,

GB 30981—2020, GB 38469—2019

Limit of harmful substances of coating materials

Part 2 : Industrial coatings

Draft for approval

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and Standardization Administration of the People's Republic of China

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 is Part 2 of GB 30981 *Limit of Harmful Substances of Coating Materials*. GB 30981 is divided into two parts :

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

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:

- a) Modified the scope of the standard (Chapter 1, and Chapter 1 of GB 30981-2020);
- b) Deleted terms and definitions of "shop primer" and "effect pigment" (Chapter 3 of GB 30981-2020); added terms and definitions of "water-borne coatings", "solvent-borne coatings", "radiation curable coatings", "solvent-free coatings", "powder coatings", "accessory material", "coatings for consumer product closely contacting with human body", "special functional coatings", "polyurethane solvent-borne woodenware coatings", "nitrocellulose solvent-borne woodenware coatings", "alkyd solvent-borne woodenware coatings", "unsaturated polyester solvent-borne woodenware coatings", "furniture coatings", "original equipment manufacturer coatings", "high decorative coatings including effect pigment", "fire resistive coatings", "general primer for ship", "decorative panel coatings", "Latex coatings", "organosol", "toy", "small-scale amusement device", "sports equipment", "power-driven vehicle", "passenger car", "goods vehicle", "bus(vehicle)", "special motor vehicle", "low-speed vehicle", "trailer", "rail transit vehicle", "powered car train-set", "railway vehicle; railway car", "coach(railway vehicle)", "urban rail transit vehicle", "wagon (rail transit vehicle)", "ship; vessel", "machinery", "large-scale amusement ride", "hardware product", "road traffic facility", "on-site application", "in-factory application",

"semi-volatile organic compound" and "semi-volatile organic compound content" (Chapter 3, and Chapter 3 of GB 30981-2020);

— Modified "product classification"; added "coating hazard labeling" (Chapter 4, and Chapter 4 of GB 30981-2020);

— Added products and indicators of "woodenware coatings", "toy coating, small-scale amusement device coatings, sports equipment coatings, instruments coatings", "automotive OEM coatings (passenger car, goods vehicle)", "automotive OEM coatings [bus (vehicle), special motor vehicle, low-speed vehicle, trailer]", "automotive refinish coatings", "rail transit vehicle coatings [powered car train-set, coach (railway vehicle), urban rail transit vehicle, traction locomotive]", "rail transit vehicle coatings (goods vehicle)", "motorcycle coatings (including electric motorcycles) and bicycle coatings (including electric bicycles), vehicle component coatings", "marine coatings (steel ships only) (excluding component coatings)", "pre-coated coil coatings", "decorative panel coatings, non roll coated metal substrate curtain wall panel coatings)", "hardware product coatings, handicraft coatings", "road traffic facility coatings"; deleted products and indicators of "fluororesin coatings" in "profiles coating"; changed "protective coatings for buildings, constructions" to "protective coatings for buildings, constructions, and large-scale amusement rides (including fire resistive coatings)"; changed "profiles coating (including metal substrate curtain wall panel coatings)" to "profiles coating, metal furniture coatings" (Table 1, and Table 1 of GB 30981-2020);

— Added products and indicators of "woodenware coatings", "toy coating, small-scale amusement device coatings, sports equipment coatings, instruments coatings", "automotive OEM coatings (passenger car)", "goods automotive OEM coatings (including component coatings)", "automotive OEM coatings [bus (vehicle), special motor vehicle, low-speed vehicle, trailer]", "automotive refinish coatings", "rail transit vehicle coatings [powered car train-set, coach (railway vehicle), urban rail transit vehicle, traction locomotive]", "rail transit vehicle coatings (wagon)", "motorcycle coatings (including electric motorcycles) and bicycle coatings (including electric bicycles), vehicle component coatings (except for goods vehicle use)", "marine coatings (steel ships only) (excluding component coatings)", "decorative panel coatings, non roll coated metal substrate curtain wall panel coatings)", "hardware product coatings, handicraft coatings", "road traffic facility coatings"; changed "protective coatings for buildings, constructions" to "protective coatings for buildings, constructions, and large-scale amusement rides (including fire resistive coatings)", changed "fluororesin coatings" in "precoated coil coatings" and "profiles coatings" to "high durability", changed the indicator for "non stick coatings" in "packaging coatings", changed "profiles coating (including metal substrate curtain wall panel coatings)" to "profiles coating (including metal furniture coatings)" (Table 2, and Table 2 of GB 30981-2020);

f) Added products and their items and indicators of "woodenware coatings" (Table 4, and Table 4 of GB 30981-2020);

g) Added "putty" products and "VOC content" items and indicators (Table 5);