



GB 30981.1–XXXX

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

涂料中有害物质限量第1部分：建筑涂料（报批稿）

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National Standard of the People's Republic of China

GB 30981.1—XXXX

In place of GB 18582—2020, GB 38468—2019

Limit of harmful substances of coating materials Part 1: Architectural coatings

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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 1 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 18582-2020 *Limit of harmful substances of architectural wall coatings*, and GB 38468-2019 *Limit of harmful substances of interior floor coatings*.

Based on GB 18582-2020, this standard integrates the content of GB 38468-2019. Compared to GB 18582-2020, 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 18582-2020);
- b) Deleted terms and definitions of "decorative panel coatings" and "effect pigment" (Chapter 3 of GB 18582-2020); added terms and definitions of "flat paint", "textured paint", "floor coatings", "water-borne floor coatings", "solvent-borne floor coatings", "solvent-free floor coatings", "accessory material", "semi-volatile organic compound", "semi-volatile organic compound content" and "biocide" (Chapter 3, and Chapter 3 of GB 18582-2020);
- c) Modified "product classification" (Chapter 4, and Chapter 4 of GB 18582-2020);
- d) Deleted product items and indicators of "putty" (Table 1 of GB 18582-2020); modified the classification and the "VOC content" indicators of "interior wall coatings" and "exterior wall coatings", added items and indicators of "SVOC content", "total arsenic (As) content", "methylisothiazolinone (MIT) content", added the varieties of "octylphenol, nonylphenol" into "alkyl phenol polyoxyethylene ethers (APEO) total content" items (Table 1, and Table 1 of GB 18582-2020);
- e) Deleted product items and indicators of "decorative panel coatings" (Table 2, and Table 2 of GB 18582-2020), added product items and indicators of "floor coatings" (Table 2);
- f) Added product items and indicators of "accessory material" (Table 3);
- g) Modified "sampling" (6.1, and 6.1 of GB 30981-2020; modified test methods of "VOC content", "formaldehyde content", "total content of ethylene glycol ethers and glycol ethers" items; added "SVOC content", "total arsenic (As) content", "methylisothiazolinone (MIT) content", "total polycyclic aromatic hydrocarbon content", "total phthalates content", "total free isocyanate (TDI and HDI) content", and "free 4,4'-methylenedianiline (MDA) content" items (6.2, and 6.2 of GB 18582-2020);

h) Change the "packaging label" to "labeling" and modify the corresponding content (8, and 8 of GB 18582-2020).

Modified "Appendix A" (Appendix A of GB 18582-2020).

This Standard is proposed by and is under the jurisdiction of the Ministry of Industry and Information Technology of the People's Republic of China.

The previous versions replaced by this standard are as follows:

- GB 18582, first issued in 2001, first revised in 2008, and secondly revised in 2020;
- GB 38468, first issued in 2019.