



GB 30981.1—2025

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

涂料中有害物质限量第1部分：建筑涂料

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GB 30981.1—2025

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

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 (See Chapter 1, Chapter 1 of GB 18582-2020);
- b) Deleted terms and definitions of "decorative panel coatings" and "effect pigment" (See Chapter 3 of GB 18582-2020);
- c) Modified the definition for "architectural wall coatings" (See Chapter 3.2, Chapter 3.2 of GB 18582-2020);
- d) 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" (See Chapter 3, Chapter 3 of GB 18582-2020);
- e) Modified "product classification" (See Chapter 4, Chapter 4 of GB 18582-2020);
- f) Deleted product items and indicators of "putty" (See Table 1 of GB 18582-2020);
- g) Modified the classification and "VOC content" indicators of "water-borne floor 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 (See Table 1, Table 1 of GB 18582-2020);
- h) Deleted product items and indicators of "decorative panel coatings" (See Table 2, Table 2 of GB 18582-2020);
- i) Added product items and indicators of "floor coatings" (See Table 2);
- j) Added product items and indicators of "accessory material" (See Table 3);
- k) Modified "sampling"; modified test methods of "VOC content", "formaldehyde content", "total content of ethylene glycol ethers and glycol ethers" items; added test methods of "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 (See Chapter 6.1 and Chapter 6.2, Chapter 6.1 and Chapter 6.2 of GB 18582-2020);

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

m) Deleted "Appendix A" (See Appendix A of GB 18582-2020).

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

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 of this document and the documents it replaces are as follows:

- GB 18582-2001, first issued in 2001, first revised in 2008;
- When secondly revised in 2020, the content of GB 24408-2009 Limit of harmful substances of exterior wall coatings was integrated (The previous version of GB 24408-2009 is as follows: first issued in 2009);
- This document is the third revision, the content of GB 38468-2019 Limit of harmful substances of interior floor coatings was integrated (The previous version of GB 38468-2019 is as follows: first issued in 2019);