

ICS 85.060
CCS Y32



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

GB 18585-2023

**Indoor decorating and refurbishing materials - Limit of harmful
substances of wallpapers**

室内装饰装修材料 壁纸中有害物质限量

Issued on: November 27, 2023

Implemented on: December 1, 2024

**Issued by: State Administration for Market Regulation;
Standardization Administration of China**

Table of Contents

- 1 Scope
- 2 Normative reference documents
- 3 Terms and definitions

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 18585-2001 "Limits of Hazardous Substances in Interior Decoration Materials and Wallpapers" and is consistent with GB 18585-2001 In addition to structural adjustments and editorial changes, the main technical changes are as follows:

- a) Changed the scope of application (see Chapter 1, Chapter 1 of the:2001 edition);
- b) Changes in terms and definitions (see Chapter 3, Chapter 3 of the:2001 edition);
- c) Changes in the residual vinyl chloride monomer content and barium limit value requirements (see Chapter 4, Chapter 4 of the:2001 edition);
- d) Added requirements for phthalate ester content, total volatile organic compound release and short-chain chlorinated paraffin limit values (see Chapter 4) and test methods (see 5:3, 5:5 and 5:6);
- e) Formaldehyde was changed to formaldehyde release amount, and the limit value (see Chapter 4, Chapter 4 of the:2001 edition) and the test method (see 5:4,:2001 version of 6:3);
- f) The test method for heavy metal (or other) element content has been changed (see 5:1, 6:1 of the:2001 edition);
- g) The inspection rules have been changed (see Chapter 6, Chapter 7 of the:2001 edition);
- h) The content of packaging marks has been deleted (see Chapter 8 of the:2001 edition): Please note that some content in this document may be subject to patents: The publisher of this document assumes no responsibility for identifying patents: This document is proposed and administered by 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:

---First released in:2001 as GB 18585-2001;

---This is the first revision: Interior decoration materials Limits of harmful substances in

wallpaper

1 Scope

GB 18585-2023 is the Chinese national standard on indoor decorating and refurbishing materials - limit of harmful substances of wallpapers, in the field of paper technology. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 27 November 2023 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 December 2024. Classification: ICS 85.060, CCS Y32. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document defines the terms and definitions related to wallpaper, and stipulates the requirements and inspections for the limits of substances harmful to the human body and the environment in wallpaper: Rules, describing the corresponding test methods: This document is suitable for wallpapers on various substrates:

2 Normative reference documents

The contents of the following documents constitute essential provisions of this document through normative references in the text: Among them, the dated quotations For undated referenced documents, only the version corresponding to that date applies to this document; for undated referenced documents, the latest version (including all amendments) applies to this document:

GB/T 4615 Determination of residual vinyl chloride monomer in polyvinyl chloride by gas chromatography

GB/T 6682 Specifications and test methods for water used in analytical laboratories

GB/T 37860 Determination of phthalates in paper, cardboard and paper products

GB/T 40263 Determination of short chain chlorinated paraffins in textiles

3 Terms and definitions

The following terms and definitions apply to this document: 3:

1 Climate chamber volume V_{cc} When the climate box is unloaded, the total volume involved in air exchange inside the box:

Note: The unit of climate box volume is cubic meters (m^3): 3:

2 Loading factor loading factor The ratio of the total surface area of the specimen to the volume of the climate chamber:

Note: The unit of load-bearing rate is square meters per cubic meter (m^2/m^3): 3:3 air exchange rateairexchangerate The ratio of the amount of clean air entering the climate chamber per unit time to the volume of the climate chamber:

Note: The air exchange rate is usually expressed in terms of the number of air exchanges per hour, in units of times per hour (times/h): 3:

4 Formaldehyde emission formaldehydeemission Under the test conditions specified in the standard, through a certain test method, according to a certain form (such as unit area or load-bearing rate) and time requirements Find and measure the concentration of formaldehyde (HCHO) gas emitted by the product to the outside world: [Source: GB/T 28202-2020, 10:56, with modifications]