

ICS 17.180.20

CCS A26



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

GB/T 18922-2008

Replacing GB/T 18922-2002

Methods of color specification for architecture

建筑颜色的表示方法

Issued on: May 26, 2008

Implemented on: November 1, 2008

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China;
Standardization Administration of China**

Table of Contents

- 1 Scope
- 2 Normative references
- 3 Building color representation
- 4 Architectural Color Card

Foreword

This standard is GB/T 18922-2002 "building color representation," the amendments, the main amendments are as follows:

- Revised parts color labeling;
- Increasing the normative references;
- Increasing the number of buildings of colors;
- Increase the visual evaluation;
- Increase in Appendix A. Appendix A of this standard is a normative appendix. The standard color by the National Standardization Technical Committee and centralized. Drafting of this standard. Shenzhen Ocean Power Industrial Co., Ltd., Shenzhen Haichuan Color Technology Co., Ltd., Shanghai Chemical Qipeng Limited. The main drafters of this standard. He Weiping, Zhao Yunlan, Dufang Yan, Huang Yongheng, Qiang Xu Jun, Pei Xiaoyu, Baoxi Bin, Zhang Jie, Zheng Wei. This standard was first released in December 2002. Building color representation

1 Scope

GB/T 18922-2008 is the Chinese national standard on methods of color specification for architecture, in the field of metrology and measurement. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 26 May 2008 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 November 2008. Classification: ICS 17.180.20, CCS A26. 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 standard specifies the color representation and building construction color color card (referred to as the building color card) chromaticity values. This standard applies to architectural design, construction, building materials, decoration, environmental design and other areas of quantitative color representation; also suitable For the production of construction and select color cards.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard. Methods of measurement GB/T 3979 object colors

GB/T 7921 uniform color space and color difference equation

GB/T 15608 Chinese color system

GB/T 15610 metamerism visual evaluation methods

3 Building color representation

3.1 label and coding Building color representation expressed by Chinese numerals and the corresponding color system building color coded. Appendix A of each color are marked on the label of the Chinese color system and the corresponding color-coded construction.

3.2 List row Select 1026 kinds of commonly used building colors, arranged in 171 rows, each row in the table 6, Appendix A.

3.3 Encoding Rules Building color coding rule according to the row and column values \u200b\u200bby four consecutive Arabic numerals coding, front row three yards after a column code. 1st row as an encoded as 0011, encoding the first five of the first 18 rows of 0185, the first six of the coding line 132 to 1326, and then click analogy.

4 Architectural Color Card

4.1 Definitions Architectural building color color card is the higher frequency of physical samples.

4.2 The color selection Building color color card selection from Appendix A, the number of colors can be selected according to actual needs, arranging method according to architectural color coding Identification code, the use of premises and habits.

4.3 Calibration of colorimetric values Each building color color card shall be calibrated according to their color values \u200b\u200band tristimulus values \u200b\u200band

chromaticity coordinates GB/T 3979 determined. Construction color Chroma value card shall be GB/T 15608 requirements.

4.4 color CIE1976Lab uniform color space and color difference equation building color card with color in 7921 with GB/T standard computing architecture color card Color chromaticity set value and the standard value ΔE_{ab} , with ΔE_{ab} Evaluation of the production of precision building color cards. Architectural Color Card color calibration $\Delta E_{ab} \leq 3$ chroma value and its standard value.