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

中华人民共和国国家标准

GB 11614-2009

Replaces GB 4871-1995, GB 11614-1999, GB/T 18701-2002

Flat glass

平板玻璃

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China**

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Foreword

Provisions in Chapters 5.2-5.6 of the Standard are mandatory, and the remainder is recommendatory.

This standard will replace GB 4871-1995 *Common Flat Glass*, GB 11614-1999 *Float Glass* and GB/T 18701-2002 *Colored Glass*.

This standard, in comparison with GB 11614-1999, has the major changes as follows:

- Change the classification method from by use to by appearance quality (3.1 of 1999 edition, 4.2 of this edition);
- Added “Terms and Definitions” (Chapter 3 in this edition);
- Add the regulations on the thickness difference of the thickness of 12mm or above (4.2 of 1999 edition, 5.4 of this edition);
- In the appearance quality part, use the term “spot faults” to replace “bubbles” and “impurities”, and increase the demands; Add the regulation that the number of spot faults within a 100mm-diameter circle shall not be over 3 (4.3, and 4.4. and 4.5 of 1999 edition, 5.5 of this edition);
- Add “inspection and classification” and “sampling” clauses (The Chapter 6 of 1999 version, the Chapter 7 of this version);

This standard, in comparison with GB/T 18701—200, have the major changes as follows:

- Cancel the colored glass and classified by tints and shades (2002 version 3.3);
- Cancel the requirements of visible light transmittance of the colored glass (2002 version 4.3);
- Cancel the requirements of color shading of the same glass (2002 version 3.4);

This Standard is put forward by China Building Material Council.

This Standard is centralized by the National Architectural Glass Standardization Technical Committee (SAC/TC 255).

This standard is drafted by: Qinhuangdao Glass Industry Research and Design Institute.

The units participating in drafting this Standard are: Luoyang Glass Company Limited, Jin Jing Technology Co., Ltd., Qinhuangdao Yaohua Glass Co., Ltd., Jiangsu Farun Group Co., Ltd., Zhejiang Glass Co., Ltd., Weihai Blue Star Glass Holding Co., Ltd., Xinyi Glass

Holdings Limited, TG Changjiang Glass Co., Ltd., and China Building Materials Academy.

The main drafters of this Standard are: Wang Yulan, Liu Zhifu, Wu Qingtao, Zhang Baiheng, Lu Wanshun, Liu Huanzhang, Wu Nan, Tian Chunxiang, Shi Xinyong, Lv Jin, Li Bo.

The issuances of previous versions of the standard replaced by this standard are as follows:

- GB 1871-1985, GB 4871-1995;
- GB 11614-1989, GB 11614-1999;
- GB/T 18701-2002

Plate Glass

1 Scope

This standard stipulates terms and definitions, classifications, requirements, test methods, inspection rules, markings, packing, transportation and storage of the colorless transparent flat glass and colored flat glass.

This standard is applicable to the sodium calcium silicon plate glass produced by all kinds of technologies.

This standard does not apply to patterned glass and wired glass.

2 Normative references

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB/T 1216 External micrometer

GB/T 2680 Determination of light transmittance, solar direct transmittance, total solar energy transmittance and ultraviolet transmittance for glass in building and related glazing factors

GB/T 2828.1-2003 Sampling procedures for inspection by attributea-Part1: Sampling schemes indexed by acceptance quality limit(AQL) for lot-by-lot inspection

GB/T 8170 Rules of rounding off for numerical values & expression and judgement of limiting values

GB/T 9056 Metal ruler

GB/T 11942 Colorimetric methods for colour building materials

GB/T 15764 Standard terminology of flat glass

JB/T 2369 Reading Microscope

JB/T 8788 Feeler gauges

QB/T 2443-1999 Steel measuring tapes

3 Terms and definitions

For the purpose of this standard, the following terms and definitions and those established in GB/T 15764 apply.



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