

ICS 81.040
CCS Q 33

JG

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

JG/T 255-2009

**Sealed insulating glass unit with shading inside
(English Translation)**

Issued on: January 13, 2020

Implemented on: August 1, 2020

**Issued by: Ministry of Housing and Urban-Rural Development of the
People's Republic of China**

Table of Contents

Foreword	
1 Scope	
2 Normative references	
3 Terms and definitions	
4 Classification and marking	
5 Materials, accessories and construction	
6 Requirements	
7 Test method	
8 Inspection rules	
9 Signs, labels and accompanying documents	
10 Packaging, transportation and storage	
Appendix A (informative appendix) The influence of the heat-insulating frame of the built-in sun-shading hollow glass product on the thermal performance	
Appendix B (informative appendix) Optical and thermal properties of typical hollow glass products with built-in sunshades	

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces JG/T 255-2009 "Built-in sunshade hollow glass products", compared with JG/T 255-2009, the main technical changes as follows.

- The structural classification of the built-in sunshade has increased the combination curtain (see 4.1.2);
- The operation mode of the built-in sunshade device has been fixed (see 4.1.3);
- Modified the marking method (see 4.2, 4.2 of the 2009 edition);
- Modified the material requirements for shading devices (see 5.1.2, 5.1.3 of the 2009 edition);
- Modified the requirements of equalizing pipe (see 5.1.3, 6.1.5, 5.1.2 of the 2009 edition);
- Added requirements for fire integrity and vacuum glass (see 5.1.1, 6.1.1, 6.1.2);
- The appearance quality and operating force requirements have been revised (see 6.2, 6.5, 6.1, 6.4 of the 2009 edition);

- Modified the dew point requirements (see 6.7, 6.6 in the 2009 edition);
- Accelerated durability test is modified into water and gas seal durability performance and gas seal durability performance (see 6.9, 6.11, 2009 edition 6.8);
- Increase the initial gas content requirements (see 6.10);
- The shading coefficient is changed to the solar heat gain coefficient (see 6.13, 6.9.2 in the 2009 edition);
- The daylighting performance is modified to visible light transmittance (see 6.14, 6.10 in the 2009 edition);
- Modified the sample specifications (see 7.1, 7.1 of the 2009 edition);
- Revised the corresponding test method (see Chapter 7, Chapter 7 of the 2009 edition).

This standard was proposed by the Standard Rating Institute of the Ministry of Housing and Urban-Rural Development.

This standard is under the jurisdiction of the Technical Committee for Standardization of Building Products and Components of the Ministry of Housing and Urban-Rural Development.

Drafting organizations of this standard. China Academy of Building Research Co., Ltd., Changshu Outec Building Energy Saving Technology Co., Ltd., Jiangsu Zhongcheng Construction Materials Group Co., Ltd., National Safety Glass and Quartz Glass Quality Supervision and Inspection Center, Shanghai Jianke Inspection Co., Ltd., Symec (Guangzhou) Industrial Co., Ltd., Building Energy Research Center of South China University of Technology, Jiangsu Academy of Building Research Co., Ltd., China Engineering Construction Standards Chemical Association, Nanjing Ruigu Energy-saving Technology Co., Ltd., Jiangsu Saidile Energy-saving Technology Co., Ltd., Nanjing Nanyou Energy-saving Technology Co., Ltd., Hanshi Building Materials Technology Co., Ltd., Guangdong Academy of Building Research Group Co., Ltd., Wuhan Outec Energy-saving Doors and Windows Co., Ltd., Henan Dragon Wang Tempered Vacuum Glass Co., Ltd., Rod United (Beijing) Sunlight Technology Equipment Co., Ltd., Jiangyin Dingzhong New Energy Materials Co., Ltd., Jiangyin Wuyue Building Energy-saving Technology Co., Ltd., Zhejiang Yanhe New Materials Co., Ltd., Anhui Weishate Energy-saving Doors and Windows Co., Ltd., Qingdao China Construction United Construction Engineering Co., Ltd.

1 Scope

This standard specifies the terms and definitions, classification and marking, materials, accessories and structure, requirements, test parties for built-in sunshade hollow glass products Law, inspection rules, signs, labels and accompanying documents, packaging, transportation and storage.

This standard applies to built-in sun-shading hollow glass products such as doors and windows, curtain walls, daylighting roofs, partitions, etc.

2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version applies to this article. For undated references, the latest version (including all amendments) applies to this document.

GB/T 191 Packaging, storage and transportation pictorial signs GB/T 2680 Architectural glass visible light transmittance, direct sunlight transmittance, total solar transmittance, ultraviolet transmittance and Measurement of closing glass parameters GB/T 5237 (all parts) aluminum alloy construction profiles GB/T 8484 Classification and testing method of insulation performance of exterior doors and windows of buildings GB/T 8814 Unplasticized polyvinyl chloride (PVC-U) profiles for doors and windows GB/T 9969 General Rules for the Use of Industrial Products GB/T 11944 insulating glass GB/T 13560 Sintered NdFeB permanent magnet material GB 15763.1 Building Safety Glass Part 1: Fireproof Glass GB/T 18915.2 Coated Glass Part 2: Low-E Coated Glass CB867 General technical requirements for plastic parts JC/T 941 Glass fiber reinforced plastic pultruded profile for doors and windows JC/T 1079 Vacuum glass JC/T 2072-2011 Desiccant for insulating glass JG/T 241 Test method for mechanical durability of building sunshade products JG/T 242 Operating force test method for building sunshade products JG/T 251 Metal sun-shading blinds for building JG/T 254 Soft sunshade roller blind for building JG/T 274 General technical requirements for building shading JG/T 278 Motor for building sunshade products JG/T 399 Terminology of Building Shading Products JG/T 440 Building door and window shading performance test method JG/T 455 Tempered glass for building doors, windows and curtain walls JG/T 499 Non-metallic blinds for building sunshade JG 1113 Technical Specification for Application of Building Glass JG J/T 151 Thermal calculation rules for building doors and windows and glass curtain walls QB/T 2424 double-sided adhesive tape