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

**JG/T 475-2015**

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**Structural silicon sealants for building curtain wall  
(English Translation)**

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People's Republic of China**

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## Foreword

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

This standard proposed by the Ministry of Housing and Urban Standard and Design Institute.

This standard by the Ministry of Housing and Urban Construction Building Standardization Technical Committee centralized.

This standard was drafted. China Building Water Defense Association, Zhengzhou Zhongyuan Applied Technology Research and Development Co., Ltd., China Building Materials Inspection and Certification Set Mission Suzhou Co., Ltd., Shanghai Academy of Building Research (Group) Co., Ltd., Henan Academy of Building Research Co., Ltd., China Construction Scientific Research Institute, Henan Building Materials Research and Design Institute Co., Ltd., Guangzhou Baiyun Chemical Industry Co., Ltd., Hangzhou, Jiang Silicone Chemical Industry Co., Ltd., Dow Corning (China) Investment Co., Ltd., Sika (China) Co., Ltd., the United States Branch Panuo Laboratory Equipment Company Shanghai Office, into Si Bao Technology Co., Ltd., Zhejiang Lexus Fine Chemical Co., Ltd., Jiangmen dawn viscose Co., Ltd., Guangdong New Exhibition Chemical Wood Materials Co., Ltd., Guangzhou set Thai Chemical Co., Ltd., Guangzhou City Coats Industrial Co., Ltd., Shandong Yongan Plastic Co., Ltd., Shandong Baolongda Industry Group Co., Ltd., Beijing Zhongtian Nebula Technology Co., Ltd., Jiangxi Fengye viscose Chemical Co., Ltd., Shenzhen Belle Chun Viscose Industry Ltd., Changshu Hengxin Viscose Co., Ltd., Foshan Yuanlong Adhesive Industrial Co., Ltd., Sichuan Xinda Viscose Technology Co., Ltd., Fujian "" "" "" But "" "" "Integrated GEOT70-08-08" "GEOTOT" "" "" GE GE GEOTOT officialbiran GEOT70e "

## 1 Scope

This standard specifies the classification and marking of silicone structural sealants for building curtain wall (referred to as silicone structural adhesive), requirements, test methods, testing Rules, marking, packaging, shipping and storage.

This standard applies to the design of the service life of not less than 25 years of construction curtain wall engineering silicone sealant.

## 2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

Rubber, vulcanized or thermoplastic - Determination of tensile stress - strain properties GB/T 531.1 vulcanized rubber or thermoplastic rubber test methods into the hardness - Part 1. Shore Hardness Tester (Shore Hardness) GB/T 9789 metal and other inorganic coatings usually condensation conditions of sulfur dioxide corrosion test GB 9985 hand dishwashing detergent GB/T 10125 artificial atmosphere corrosion test salt spray test GB/T 13477.1 Test methods for building sealants - Part 1. Provisions for test substrates GB/T 13477.3 Test methods for building sealants - Part 3. Method of measuring the extrudability of sealing materials using standard apparatus GB/T 13477.5-2002 Building sealing materials test methods - Part 5. Determination of dry time Test methods for building sealants - Part 6. Determination of fluidity GB/T 13477.8-2002 Building sealing materials test methods - Part 8. Determination of tensile adhesion Test methods for building sealants - Part 17. Determination of elastic recovery rate GB/T 13477.19 Methods of test for building sealants - Part 19. Determination of mass and volume changes GB/T 16422.2 Plastics - Laboratory exposure test methods - Part 2. Xenon arc lamps GB/T 16422.3 Plastics - Laboratory exposure test methods - Part 3. Fluorescent UV lamps Building structural silicone sealants JG/T 471 building doors and windows curtain wall with hollow glass elastic sealant

### 3.1 Classification

Products are divided into single-component type (1) and two-component type (2).

Products according to the applicable substrate is divided into aluminum (AL), glass (G), other metals (M).

### 3.2 Mark

Products marked by the following order. name, classification, the standard number.

Example. Silicone-based sealants for two-component architectural curtain walls for

aluminum and glass substrates are marked as.