

## GB 996 Neutral Silicone Sealant

General purpose, neutral cure silicone sealant for general sealing, general glazing, waterproofing applications

### FEATURES

- One part, neutral cure
- Easy of application
- Non-corrosive
- Good weatherability and resistance to UV radiation ,heat and humidity, and ozone
- Excellent resistance to temperature extremes, unaffected performance from -50 °C to +150 °C
- Good unprimed adhesion to wide range of substrates
- Good compatibility with other neutral silicone sealants

### COLOURS

GB 996 is available in black, gray, white and other customized colours.

### BASIC USES

GB 996 Neutral Silicone Sealant is formulated for weather and waterproofing seal of high-end window & door, and simple curtain wall.

### TYPICAL PROPERTIES

Test Method	Property	Unit	Standard	Result
GB/T 13477 (ISO 7390)	Slump	mm	≤3	0
GB/T 13477 (ISO 8394)	Extrusion rate	ml/min.	≥80	418
GB/T 13477 (ASTM D2377)	Tack free time	h	≤3	0.7
GB/T 13477 (ISO 7389)	Extension recovery	%	≥80	93
GB 16776 (ISO 10563)	Weight loss	%	≤10	7
GB/T 13477 (ISO 8339)	Tensile Modulus	MPa	>0.4	1.0
GB/T 13477 (ISO 11600)	Movement capability	%	±25	±25
JC/T 485	Adhesion after UV exposure		No failure	No failure
GB/T 13477	Adhesion at fixed stretch		No failure	No failure
GB/T 13477	Adhesion after heat contract and cold extension		No failure	No failure
GB/T 13477	Adhesion after water immersion		No failure	No failure

These values are not intended for use in preparing specifications.

\*GB: Chinese National Standard

JC/T: Chinese Recommended Standard for Construction Materials

ASTM: American Society for Testing and Materials

ISO: International Standardization Organization

### PACKAGING

GB 996 is available in disposable cartridges (net 300ml) ,24 pieces to a carton and sausages (net 500ml),20 pieces to a carton.

## **SPECIFICATIONS**

GB 996 is designed to meet or even exceed the requirement of

- Chinese national standard  
GB/14683-2003 20HM
- Complies with ASTM C 920

## **STORAGE AND SHELF LIFE**

GB 996 should be stored at or below 27°C in original unopened containers. It has a shelf life of 12 months from the date of manufacture.

## **LIMITATIONS**

GB 996 should not be applied:

- For structural glazing
- To the materials that bleed oils , plasticizers or solvents, such as impregnated wood, oil-based caulks
- In totally confined spaces as sealant requires atmospheric moisture for cure
- To frost laden or damp surfaces
- For continuous water immersion
- When surface temperature below 4°C or over 50°C

## **HOW TO USE**

### **Surface Preparation**

Clean all joints removing all foreign matter and contaminants such as oil, grease, dust, water, frost, old sealants, surface dirt, or glazing compounds and protective coatings.

### **Application Method**

Mask areas adjacent to joints to ensure neat sealant lines. Apply GB 996 in a continuous operation using dispensing guns. Before a skin forms, tool the sealant with light pressure to spread the sealant against the backing materials and joint surfaces. Remove masking tape as soon as the bead is tooled.

## **TECHNICAL SERVICES**

Complete technical information and literature, adhesion testing and compatibility testing are available from Guibao.

## **SAFETY INFORMATION**

- GB 996 is a chemical product, not edible, no implantation into body and should be kept away from children.
- Cured silicone rubber can be handled without any risk to health.
- Should uncured silicone sealant contact with eyes, rinse thoroughly with water and seek medical treatment if irritation persists.
- Avoid prolonged exposure of skin to uncured silicone sealant.
- Good ventilation is necessary for work and cure places.

## **DISCLAIMER**

The information presented herein is offered in good faith and is believed to be accurate. However, because conditions and methods of using our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for intended specific applications.

### **Manufacturer**

*Chengdu Guibao Science and Technology Co., Ltd.  
No.16, Xinyuan Road, Hi-tech Zone , Chengdu,  
P.R.CHINA*

*Tel: +86 28 8531 1860*

*Fax: +86 28 8531 8066*

*E-mail: guibao@cnguibap.com*

[www.cnguibao.com](http://www.cnguibao.com)