

Two part silicone sealant suited for the secondary seal in structural insulating glass units

## FEATURES

- Two part, neutral fast cure rate, suitable for factory application
- High level of tensile strength and mechanical properties
- Excellent adhesion to a wide range of substrates including coated glass, low -E glass, tempered glass, laminated glass, aluminium and steel spacers etc.
- Excellent weatherability and high resistance to ultra-violet radiation ,heat and humidity, and ozone
- Excellent resistance to temperature extremes, unaffected performance from -50 °C to +150 °C
- Excellent unprimed adhesion to wide range of substrates
- Good compatibility with other neutral silicone sealants

## COLOURS

Part A (base) of Guibao 886 is available in white, part B(curing agent) in black, black colour after mixture.

# *Guibao 886 Silicone Structural Insulating Glass Sealant*

## BASIC USES

Guibao 886 Silicone Structural Insulating Glass Sealant is specially designed for use as secondary sealant for structural insulating glass units.

## TYPICAL PROPERTIES

These values are not intended for use in preparing specifications.

Test Method	Property	Unit	Standard	Result
GB/T 13477 (ISO 7390)	Slump	mm	≤3	0
GB/T 13477 (ISO 9048)	Extrusion rate	s	≤10	1.9
GB/T 13477 (ASTM D2377)	Tack free time	h	≤3	1.3
GB/T 13477 (ISO 8339)	Modulus at 10% extension	MPa	≥0.15	0.22
GB/T 531 (ISO 7619 )	Hardness	Shore A	30~60	43
GB/T 13477	Adhesion at 25% extension		No failure	No failure
GB/T 13477 (ISO 8339)	Tensile strength at 23°C	MPa	≥0.60	1.13
	90°C		≥0.45	0.87
	-30°C		≥0.45	1.58
	water immersion		≥0.45	1.03
	water-UV		≥0.45	0.98
GB 16776 (ASTM C 792)	Heat aging weight loss	%	≤6.00	3.4
	chalking		Nil	Nil
	cracking		Nil	Nil

\*GB: Chinese National Standard

ASTM: American Society for Testing and Materials

ISO: International Standardization Organization

## **PACKAGING**

Guibao 886 is available in kit: part A base in 200L drums (net 190L), part B is available in 20L pails (net 19L)

## **SPECIFICATIONS**

Guibao 886 is designed to meet or even exceed the specification of Chinese national standard GB24266-2009.

## **STORAGE AND SHELF LIFE**

Guibao 886 should be stored at or below 27°C in original unopened containers. It has a shelf life of months from the date of manufacture.

## **LIMITATIONS**

Guibao 886 should not be applied:

- For structural glazing of glass units onto a metal frame. Guibao 992 two part structural silicone and Guibao 999 one part structural silicone are recommended for that application
- To the materials that bleed oils , plasticizers or solvents, such as impregnated wood, oil-based caulk
- 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.

### **Mixing and Dispensing**

To obtain the optimal performance of Guibao 886, it is recommended that base and curing agent thoroughly mixed using a two-part silicone dispensing machine.

Guibao 886 should be mixed at a ratio of 9:1~11:1 base to curing agent by volume, or 11:1~13:1 base to curing agent by weight.

Lot matching of Guibao 886 base to curing agent is not required. Before use, it is recommended that curing agent be stirred to ensure the homogeneity of all components.

Guibao 886 part B curing agent will react with atmospheric moisture, therefore should not be exposed to air for prolonged period of time.

### **Priming**

Priming is not usually required when using Guibao 886. But it is essential that adhesion is tested prior to use to decide whether to use primer or not.

### **Masking and Tooling**

Areas adjacent to joints may be masked to ensure a neat sealant line. Do not allow mask tape to touch clean surfaces to which the silicone sealant is to adhere. Tooling should be completed in one continuous stroke after sealant application. Masking tape should be removed immediately after tooling.

### **Equipment Cleaning**

When not being used, it is recommended that the dispensing equipment be purged either with the base component or flush with suitable solvent.

## **SAFETY INFORMATION**

- Guibao 886 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.

## **TECHNICAL SERVICES**

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

## **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 specific applications.

### ***Manufacturer***

*Chengdu Guibao Science and Technology Co.,Ltd.*

*No.16, Xinyuan Road, Hi-tech Zone*

*Chengdu610041*

*P.R.CHINA*

*Tel: +86 28 8531 1860*

*Fax: +86 28 8531 8066*

*E-mail:[guibao@cnguibao.com](mailto:guibao@cnguibao.com)*

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