

One part, neutral cure silicone sealant with excellent weatherability, ideally suited for movement joints seal

## GUIBAO 998 SILICONE WEATHERPROOFING SEALANT

### FEATURES

- Excellent weatherability, virtually unaffected by sunlight, rain, snow and ozone
- Neutral cure – suitable for use on metals, coated glass, aluminum panels, terracotta panels, concrete materials, galvanized steel and many other substrates.
- Extension/compression movement capability of up to  $\pm 35$  percent of the original joint width

- Excellent resistance to temperature extremes, stable and flexible over the temperature range from  $-50\text{ }^{\circ}\text{C}$  to  $+150\text{ }^{\circ}\text{C}$
- Excellent unprimed adhesion to a wide variety of building materials
- Easy of application-ready to use as supplied
- Good compatibility with other neutral silicone sealants

### BASIC USES

GUIBAO 998 SILICONE WEATHERPROOFING SEALANT is designed for

- General weather sealing and glazing in glass curtain walls, aluminum curtain walls and terracotta curtain walls
- Sealing the joints of concretes, plastics, metals and etc.

### COLOURS

GUIBAO 998 is available in black, gray, white and other customized colours.

### TYPICAL PROPERTIES

Test Method	Property	Unit	Standard	Result
GB/T 13477 (ISO 7390)	Slump	mm	$\leq 3$	0
GB/T 13477 (ISO 8394)	Extrusion rate	ml/min	$\geq 80$	856
GB/T 13477 (ASTM D 2377)	Tack free time	h	$\leq 3$	1.1
GB/T 13477 (ISO 7389)	Extension recovery	%	$\geq 80$	90
GB 16776 (ISO 10563)	Weight loss	%	$\leq 10$	5.6
GB/T 13477 (ISO 8339)	Modulus at $23\text{ }^{\circ}\text{C}$	MPa	$> 0.4$	0.84
GB/T 13477 (ISO 11600)	Movement capability	%	$\pm 35$	$\pm 35$
GB/T 13477 (ISO 8340)	Adhesion at fixed stretch		No failure	No failure
GB/T 13477 (ISO 9047)	Adhesion after heat contract and cold extension		No failure	No failure
GB/T 13477	Adhesion after UV-water exposure		No failure	No failure

\*GB: Chinese National Standard

ASTM: American Society for Testing and Materials

ISO: International Standardization Organization

These values are not intended for preparing specifications

GUIBAO 998 is designed to meet or even exceed the requirements of

- Chinese specification GB/T 14683-I-Gw-35HM
- Complies with ASTM C 920

## **PACKAGING**

GUIBAO 998 is available in disposable cartridges (net 300ml), 24 pieces to a carton and sausages (net 590ml), 20 pieces to a carton

## **SHELF LIFE**

GUIBAO 998 should be stored in original unopened containers. It has a shelf life of 12 months from the date of manufacture.

## **LIMITATIONS**

GUIBAO 998 should not be applied:

- As structural sealant
- 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 substrate surface temperature below 4°C or over 50°C
- To copper, zinc or lead coated surfaces

## **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**

Install back-up materials or joint fillers, setting blocks, spacer shims, and tapes. Mask areas adjacent to joints to ensure neat sealant lines. Primer is generally not required for non-porous surfaces, but may be necessary for optimal seal performance of certain porous surfaces.

## **SPECIFICATIONS**

So adhesion test is always recommended.

Apply GUIBAO 998 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.

## **SAFETY INFORMATION**

- GUIBAO 998 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 required 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 intended specific applications.

### **Manufacturer**

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