

GB 993 Silicone Sealant for Skylight

High performance neutral cure silicone with superior elasticity, movement accommodation and weatherability, ideally suited for skylight joint seal applications

FEATURES

- One part, neutral room temperature cure
- Superior elasticity, low modulus, remain stable and flexible from -50 °C to +150 °C
- Outstanding weatherability and resistance to UV, snow, rain, ozone, water and etc.
- Excellent unprimed adhesion to most building materials
- Non staining or corrosive to most building materials
- Fast cure rate, easy to use

COLOURS

GB 993 is available in black and translucent.

PACKAGING

GB 993 is available in disposable cartridges (net 300ml), 24 pieces to a carton.

BASIC USES

GB 993 Silicone Sealant for Skylight is a high performance silicone sealant specially designed for

- Glazing , watertight joint seal in skylight engineering
- Glazing and watertight seal for the ceilings over the waiting halls at airports, railway stations and bus stations
- Sealing other construction joints with greatly high movement or safety requirement

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 8394)	Extrusion rate	ml/min.	≥80	232	
GB/T 13477 (ASTM D2377)	Tack free time	h	≤3	2.0	
GB/T 13477 (ISO 7389)	Extension recovery	%	≥70	93	
GB/T 13477 (ISO 8339)	Tensile strength	MPa	23°C	≤0.4	0.36
			-20°C	≤0.6	0.45
GB/T 13477 (ISO 37)	Elongation at break	%	≥300	426	
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 and UV exposure		No failure	No failure	

*GB: Chinese National Standard

ASTM: American Society for Testing and Materials

ISO: International Standardization Organization

SPECIFICATIONS

GB 993 is designed to meet or even exceed the requirement of

- China national specification
GB/T 22083-2008 class50
- Complies with ASTM C 920

STORAGE AND SHELF LIFE

GB 993 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 993 should not be applied:

- For structural glazing
- To the materials that bleed oils , plasticizers or solvents, such as impregnated wood
- 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

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. So adhesion test is always recommended.

Apply GB 993 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

- GB 993 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 & 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

Chengdu Guibao Science and Technology Co., Ltd.

No.16,Xinyuan Road, Hi-tech Zone

Chengdu 610041, CHINA

Tel: +86 28 8531 1860

Fax: +86 28 8531 8066

E-mail : guibao@cnguibao.com

www.cnguibao.com