

GB553 GP Silicone Sealant

One part acetoxy cure silicone sealants for general purpose applications

FEATURES

- One part, acetoxy cure, easy to use
- Fast cure rate
- Cures to be durable flexible silicone sealant once exposed to atmospheric moisture
- Excellent water resistance
- No shrinkage during cure
- Excellent adhesion to glass, ceramics, etc.
- Low modulus, excellent extension/compression recovery

COLOURS

GB 553 is available in clear, black and white.

PACKAGING

GB 553 is available in 350ml plastic cartridges (net 300ml), 24 pieces to a carton.

SPECIFICATIONS

GB 553 is designed to meet or even exceed the requirements of Chinese Corporate Specification
Q/71304249-7.020-2011

BASIC USES

GB 553 GP silicone sealant is designed for

- Window and door glass glazing
- Joint seal for interior/exterior decoration glass
- Joint seal for glass, ceramics, aluminium alloy, plastics, wood, paper, etc.

TYPICAL PROPERTIES

These values are not intended for use in preparing specifications

Test Method	Property	Unit	Result
GB/T 13477 (ISO 7390)	Slump	mm	0
GB/T 13477 (ISO 8394)	Extrusion rate	ml/min.	460
GB/T 13477 (ASTM D 2377)	Tack free time	h	0.3
GB/T 13477 (ISO 8339)	Tensile modulus	MPa (23°C)	0.27
GB/T 13477	Adhesion at 60% elongation		No failure

*GB: Chinese National Standard

ASTM: American Society for Testing and Materials

ISO: International Standardization Organization

LIMITATIONS

GB553 should not be applied:

- As structural glazing sealant
- For coated glass glazing
- To the materials that bleed oils, plasticizers or solvents or uncured resin
- To the joints with large movement
- To asphalt or stone surfaces
- To underground joints
- When surface temperature below 4°C or over 50°C

STORAGE AND SHELF LIFE

GB 553 should be stored below 27°C in original unopened containers. It has a shelf life of 12 months from the date of manufacture.

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

Apply GB553 in a continuous operation using dispensing guns. Before a skin forms, tool the sealant with light pressure to spread the sealant against the joint surfaces.

SAFETY INFORMATION

- GB 553 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.

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