

SILICONE SEALANT



One part neutral cure silicone sealant suited for weatherseal and perimeter seal purposes

FEATURES

- One part, neutral cure, odorless
- Excellent watertight performance
- Easy application
- Non-corrosive
- Stable long service life
- Excellent weatherability
- Good unprimed adhesion to wide range of substrates
- Good compatibility with other neutral silicone sealants

COLOURS

GB 557 is available in black, gray, white and other customized colours.

PACKAGING

GB 557 is available in disposable cartridges (net 300ml), 24 pieces to a carton and sausages (net 500ml) ,20 pieces to a carton.

GB 557 Neutral Silicone Sealant for Window and Door

BASIC USES

GB 557 Neutral Silicone Sealant for Window and Door is designed for weatherseal and perimeter seal application of window and doors.

TYPICAL PROPERTIES

These values are not intended for use in preparing specifications

Test Method	Property	Unit	Standard	Result
GB/T 13477 (ISO 7390)	Slump(vertical)	mm	≤3	0
GB/T 13477 (ISO 8394)	Extrusion rate	ml/min.	≥80	415
GB/T 13477 (ASTM D 2377)	Tack free time	h	≤3	0.8
GB/T 13477 (ISO 7389)	Extension recovery	%	≥80	86
GB/T 13477 (ISO 10563)	Weight loss	%	≤10	8
GB/T 13477 (ISO 8339)	Tensile modulus	MPa	>0.4	0.7
GB/T 13477 (ISO 11600)	Movement capability	%	20	20
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
GB 18583-2008	TVOC	g/L	/	96

for Construction Materials

ASTM: American Society for Testing and Materials

ISO: International Standardization Organization

*GB: Chinese National Standard

JC/T: Chinese Recommended Standard

CURE TIME

As exposed to air, GB 557 begins to cure inward from surface. Its tack free time is about 50 minutes; the full and optimal adhesion depends on the sealant depth.

SPECIFICATIONS

GB 557 is designed to meet or even exceed the requirements of:

- Chinese national specification
GB/T 14683-2003 20HM

STORAGE AND SHELF LIFE

GB557 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 557 should not be applied:

- For structural glazing
- For weather seal for curtain walls
- To underground joints
- To joints with high movement
- To the materials that bleed oils , plasticizers or solvents, such as impregnated wood ,or unvulcanized resin
- 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 557 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. 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 557 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 specific applications.

Manufacturer

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