

GB DJ-A3- 119 Fire Resistance Silicone Sealant

One part, neutral cure silicone sealant ideal for preventing the spread of smoke and flames through expansion joints, or penetration seals in curtain walling, building facades or partition walls

FEATURES

- FV-0 class of fire resistance capability
- Excellent watertight and smoke tight performance
- Non-corrosive to metals, coated glass, concretes, marbles, granites and etc.
- Excellent weatherability and resistance to temperature extremes
- Excellent unprimed adhesion to a wide range of building materials
- Good compatibility with other neutral silicone sealants

COLOURS

GB DJ-A3-119 is available in two colours: black and white.

BASIC USES

GB DJ-A3-119 Fire Resistance Silicone Sealant is specially formulated for

- Fire resistance and smoke seal of the smoke flashing of curtain walls
- Glazing and sealing fire rated windows and doors
- Fire retardant penetration seal of wires ,pipes, cables and cable trays
- Fire resistance sealing of other construction joints

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	482
GB/T 13477 (ASTM D 2377)	Tack free time	h	≤3	0.7
GB/T 13477 (ISO 7389)	Tension recovery	%	≥40	87
GB/T 13477 (ISO 11600)	Movement capability	%	±12.5	±12.5
GB/T 13477	Adhesion after extension and compression cycle at fixed temp.		No failure	No failure
GB/T 13477 (ISO 37)	Elongation at break after immersion	%	≥40	86
GB/T 13477 (ISO 10563)	Weight loss	%	≤25	5.4
GB/T 2408	Fire retardant rate		FV-0	FV-0
GB 23864	Fire resistance			
	Integrity	Grade A3≥3.00h, no flame break into the unexposed side of the testing module for 10 seconds ,the cotton cushion should not catch fire	3.00hours, no flame break into the unexposed side of the testing module ,the cotton cushion not catch fire	
	Insulating	Grade A3≥3.00h, the temperature increase of the any point of the unexposed side of the testing module ≤180℃,the temperature increase of the any point of the unexposed side of the frame ≤180℃	3.00hours , the max. temperature increase on the unexposed side of the testing module is 50 ℃, max. temperature increase on the unexposed side of the frame is< 50℃	

*GB: Chinese National Standard

ASTM: American Society for Testing and Materials

ISO: International Standardization Organization

PACKAGING

GB DJ-A3-119 is available in cartridges (net 300ml).
24 pieces to a carton.

SPECIFICATIONS

GB DJ-A3-119 is designed to meet or even exceed the

requirement of

- China national specification
GB/T 2408-2008 & GB 23864-2009
- Complies with ASTM C 920

STORAGE AND SHELF LIFE

GB DJ-A3-119 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 DJ-A3-119 should not be applied:

- For structural glazing
- 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 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. 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 DJ-A3-119 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 DJ-A3-119 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 specific applications.

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