

antas-168 Two-Component Structural Silicone Sealant



Base

Neutral Silicone

Color

Black

(after mixed)

Packaging

180L+18L,

189L+19L

Mixing

11:1 by volume

Shelf life

12 months

Storage

Store in the cool and dry place, under 27°C

Description antas-168 is a two component, neutral curing, silicone structural sealant, specifically designed for building curtain walls with hidden or semi-hidden frames. Long-term structural binding and sealing is formed by mixing and curing of the two components at designed ratio. It exhibits high modulus, high strength and high elasticity, providing excellent adhesion and weather resistance.

- Features**
- Adjustable curing speed, fast solidification, suitable for continuous operation
 - Excellent weather durability, resistance to UV and hydrolysis
 - Wide range of temperature tolerance, with good elasticity within -50 to 150°C
 - Compatible with other neutrally cured silicone sealants and structural assembly systems

Technical Data	Density	A 1.33 kg/L	
		B 1 kg/L	
	Slump	0	
	Tack free time	1.3h	
	Hardness Shore A	43	GB/T 16776-2005
	Elastic recovery	89%	JG/T 475-2015
		1.27MPa (23°C)	ETAG 002-2012
	Tensile modulus	0.89MPa (90°C)	
		1.87MPa (-30°C)	
	Thermal weight loss	2.5%	

- Applications**
- Structural bonding of glass curtain wall
 - Structural bonding of other curtain wall
 - Structural bonding for industrial purposes or other buildings
 - Secondary sealing of structural insulating glass

- Limitations** Antas-168 should not be applied:
- On the surface of substrate that bleeds oil, plasticizer or solvent and so on (such as impregnated wood).
 - In totally confined spaces.
 - When substrate surface temperature beyond 40° C or below 5° C.
 - In continuous water immersion or on the surface with fog, or wet surface, or in continuous wet place
 - On paint surface



GUANGZHOU JOINTAS CHEMICAL CO., LTD

Technical Data Sheet

Antas-168

Two-Component Structural Silicone Sealant

SGS

SGS 认证



ISO 14001

CE

No. EC 2282 J Q131194 G/C2813



ISO 质量管理体系认证



中国环境认证



OHSAS 18001

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Primer Priming is usually required when using antas-168. Moreover, sealant adhesion should always be tested in advance to determine the need for a primer. If required, primer should be applied in a thin film to the joint surface by using a clean lint-free cloth and allowed to dry before sealant application.

Curing and maintenance antas-168 begins curing when it contacts with the moisture in air. It generally cures 2mm/day, and takes 21 days for fully-cure. In the beginning of using the sealant, please remain the sealant places fixed and flat. Solvent can be used to clean the fractured sealants and then fill up with the new sealants with same color and quality.

Mixing To obtain ultimate physical properties, antas-168 should be thoroughly mixed using an airless mixing system. The cure rate may be adjusted by changing the base to the curing agent mix ratio from 9:1 to 13:1 by volume. The recommended mix ratio of the base to curing agent is 11:1. For weight ratio, from 12:1 to 17:1, recommended 14.6 :1.

Safety It is nontoxic after entirely cured. Avoid direct contact with eyes when operating. If happened, rinse opened eye under running water for several minutes. During the curing process, sealant will release a small amount of organic molecules. Construction should ensure good ventilation. If necessary, take protective measures. Please keep children out of reach.