

antas-172 Silicone Windows & Doors Assembly Sealant



Base

Neutral Silicone

Color

Black

White

Grey

Packaging

300mL/cartridge

500mL/sausage

Net weight

450g/cartridge

750g/sausage

Shelf life

9 months

Storage

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

Description antas-172 is one-component, neutral curing general purpose silicone sealant for windows and doors, interior and exterior wall caulking seal. It is widely used and has good adhesion to most of building materials.

- Features**
- One-part, neutral cure, non-corrosive to metal, coated glass, marble, etc.
 - Good extrusion, easy to use
 - Releasing low-molecular-weight alcohol and no unpleasant odor during curing
 - Excellent resistance to weather, UV, ozone, water
 - Excellent adhesive strength to lots of construction materials
 - Good compatibility with other neutral silicone sealants
 - Excellent performance at -50°C ~150°C after curing

Technical Data	Density	1.5 g/cm ³	
	Slump	0	
	Tack free time	0.8h	GB/T 14683-2007
	Elastic recovery	91%	JC/T 485-2007
	Tensile modulus	0.7MPa	GB 30982-2014
	Loss of Mass	3.5%	
	VOC	32g/L	

- Applications**
- Specially designed for sealing in all type door, window and wall joints
 - Interior decoration sealing.
 - Sealing for other general purposes

- Limitations** Antas-172 should not be applied:
- To building materials that bleed oil, plasticized or solvent, to materials such as impregnated wood, oil-based caulks, green or partially vulcanized rubber gaskets, or tapes or bituminous below-grade waterproof and asphalt-impregnated fiberboard.
 - In totally confined spaces.
 - When substrate surface temperature is over 45 °C or below -5 °C.



GUANGZHOU JOINTAS CHEMICAL CO., LTD

Technical Data Sheet

Antas-172

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ISO14001

ISO质量管理体系认证

OHSAS18001

antas-172
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- Limitations
- To wet surface.
 - On the surface contacted with food directly.
 - For continual high pressure and temperature.
 - When paint is required to sealant.
 - For structural glazing.
 - Long time water immersion sealing.

Primer Primer is not usually required when using antas-172. However, sealant adhesion should always be tested in advance to determine the need of a primer or not. If required, the primer should be applied into 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-172 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.

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.



Tensile Test of antas-172 Neutral Silicone Sealant (23°C)

No.2019062801

Standard: GB/T 14683 20 HM

Batch number: 172 GREY-190221 500mL

Materials: 1-2 Aluminum + Aluminum, 3-4 Glass + Glass

Speed: 6mm/min

	Thickness	Width	Length	Maximum Tensile	Tensile strength at 25% elongation	Tensile strength at 60% elongation	Tensile strength at 100% elongation	Maximum elongation	Elongation at break
unit	mm	mm	mm	MPa	MPa	MPa	MPa	%	%
Sample 1	49.18	11.93	12.00	0.93	0.37	0.57	0.70	301	555
Sample 2	49.05	12.03	12.00	0.93	0.35	0.55	0.69	298	477
Sample 3	49.67	11.51	12.00	0.82	0.37	0.57	0.70	229	384
Sample 4	49.22	11.58	12.00	0.84	0.37	0.56	0.69	235	509
Average	49.28	11.76	12.00	0.88	0.37	0.56	0.69	266	481
Standard deviation	0.23	0.22	0.00	0.05	0.01	0.01	0.00	34	63
Variable coefficient	0.47	1.89	0.00	5.74	2.37	1.47	0.72	13	13

