

Antas-192 Silicone Sealant for General Purposes



antas-192

Package:

300mL cartridge
300mL sausage
500mL sausage

Color:

Black
Grey
White
Customized

Shelf life:

9 months from the manufacturing date under 27°C.

Standard:

GB/T 14683-2017
ASTM C920-18

antas-192 is one-component, neutral cure silicone sealant. It has better bond strength on glass, aluminum, concrete, ceramic, wood, etc. It is mainly used for general construction sealing door and window and wall sealing. Reference movement capacity is $\pm 20\%$.

Features:

1. One-component, easy to use, with good extrudability and thixotropy in the temperature range from 5°C to 45°C.
2. Neutral cure, no pollution or corrosion on metal, coated glass, concrete and other building materials.
3. Excellent resistance to weather, UV, ozone and water.
4. Excellent resistance to high and low temperature, maintain good flexibility at a range of -50°C~150°C after curing.
5. Good compatibility with other neutral silicone sealants.

Applications:

1. Joint sealing of door and window, glass and inside or outside wall
2. Glazing and sealing of glass
3. Sealing of other nonporous materials

Limitation:

antas-192 should not be applied:

1. On building materials that bleed oil, plasticizers or solvents, 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.
2. In totally confined spaces.
3. When substrate surface temperature is over 45 °C or below -5 °C.
4. On wet surface.
5. On the surface in direct contact with food.
6. For continual high pressure and temperature.
7. If the sealant is intended to be painted.
8. For structural glazing.
9. Aquarium installation and sealing.

Priming:

Priming is not usually required when using antas-192. However, 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.

Transport and storage:

This product is flammable but not explosive, and can be delivered by normal means of transportation. The products must be stored under 27° C, in the cool and dry place.

Technical service:

Technical details are available in Jointas for customers.

Adhesion test, compatibility test and stain test are available before sealant application.

Curing and maintenance:

antas-192 begins curing when it contacts with the moisture in air. The tack free time is about 20-40 minutes. It generally 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 eye contact it when operating. If happened, rinse opened eye under running water for several minutes. During the curing process, sealant will release a small number of organic molecules. Construction should ensure good ventilation. If necessary, take protective measures. Please keep children out of reach.

antas-192 neutral silicone sealant (300ml) Construction length (m)

Thickness (mm)	Width(mm)						
	6	9	12	15	18	21	24
6	8.3	5.5	4.2	3.3	2.8	2.4	2.1
9	——	3.7	2.8	2.2	1.8	1.6	1.4
12	——	——	2.1	1.7	1.4	1.2	1.0

Note: Because of the differences of the interface design, installation location, maintenance techniques, and the site volume loss, the actual amount of sealant is also inconsistent.

Technique parameters:

Number	Test items		Standard Ordain (GB/T 14683-2017)	Measured value
1	Appearance		Smooth, uniform paste, without bubbles, skinning or gels.	Smooth, uniform paste, without bubbles, skinning or gels.
2	Density, g/cm ³		Specified value±0.1 (1.50±0.1)	1.54
3	Sag degree, mm	Vertical	≤3	0
4	Tack-free time, h		≤3	0.8
5	Extrudability, ml/min		≥150	571
6	Elastic recovery rate,%		≥80	91
7	tensile modulus (23°C), MPa		>0.4	0.7
8	Adhesion at constant load		No destruction	No destruction
9	Adhesion at constant load after water immersion		No destruction	No destruction
10	Adhesion at constant load after cold drawn and hot press		No destruction	No destruction
11	Adhesion at constant load after exposure to water-UV light		No destruction	No destruction
12	Loss of mass, %		≤8	2
13	Alkane Plasticizer		Not check out	No detected