

Antas-193 High Weather Resistant Silicone Sealant



antas-193

Package:

300mL cartridge
500mL sausage
590mL sausage

Color:

Black,
White,
Grey,
Customized

Shelf life:

12 months from the
manufacturing date under 27 °C

Standard:

GB 18583-2008
GB/T 14683-2017
GB/T 22083-2008
JC/T 882-2001

antas-193 is one-component, neutral curing silicone weatherproof sealant, specially designed for waterproof purpose for curtain wall. And it can be widely used in broad temperature range and cured by the moisture in air. With outstanding performance of anti-UV radiation, anti-ozone and anti-high and low temperature, it has excellent adhesion to most building materials.

Features:

1. Neutral curing, no pollution or corrosion on metal, coated glass, concrete, marble and other building materials
2. Excellent adhesion to most building materials
3. Movement capacity: $\pm 35\%$
4. Excellent weathering performance with over 15 years' service life under general environment.
5. Excellent performance within broad temperature range. The cured sealant will not change to be brittle, hardened or cracked at -50 °C. It will not change to be soft and deteriorated, and will keep good strength and flexibility at 150 °C.
6. Compatibility with other neutral silicone sealants.
7. Ideal material for jointing, sealing, bonding and moving joints.

Applications:

1. Bonding joints with high performance of weather ability for curtain wall.
2. Sealing the gap of the construction wall.
3. Other bonding and waterproof for general purpose.

Limitation:

antas-193 should not be applied:

1. For structural bonding.
2. On the surface of substrate that bleeds oil, plasticizer or solvent and so on (such as impregnated wood).
3. In totally confined spaces.
4. When substrate surface temperature beyond 40°C or below 5°C.
5. In continuous water immersion or on the surface with fog, or wet surface, or in continuous wet place
6. On paint surface

Priming:

Priming is usually required when using antas-193. 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.

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-193 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.

Technical parameters			
No.	Test items	GB/T 14683-2017 index	Measured value
1	Appearance	Even, exquisite paste,	Even, exquisite paste,
		no bubble, no skinning, no gel	No bubble, no skinning, no gel
2	Density, g/cm ³	Specified value±0.1	1.42
3	Sag degree(Vertical), mm	≤ 3	0
4	Tack free time, h	≤ 3	1
5	Extrudability, ml/min	≥ 150	592
6	Elastic recovery rate, %	≥ 80	92
7	Tensile Modulus (23°C), MPa	>0.4	0.9
8	Adhesion at constant load	No destruction	No destruction
9	Adhesion after water immersion at constant load	No destruction	No destruction
10	Adhesion after hot-press & hard-draw at constant load, %	No destruction	No destruction
11	Adhesion after water &UV-radiation at constant load, %	No destruction	No destruction
12	Mass loss rate, %	≤8	3
13	Alkane Plasticizer	Not be check out	Not detected