



## antas-176

**Package:**

300mL cartridge

**Color:**

Black

White

**Shelf life:**

9 months from the manufacturing date under 27 ° C

**Standard:**

SR FV-0(3.0mm)  
25HM

GB/T 24267-2009

## Fireproof Silicone Sealant

antas-176 is specially designed for flame-resistant and joint sealing on horizontal and vertical planes of buildings, pipes and gaps. As a sealant it has excellent performance of flame resistance which save people more time from fire hazard.

**Features:**

1. Outstanding fire-resistant property; up to FV-0 of GB/T2408-1996
2. Good extrusion and thixotropy between 4°C~40°C. Easy to use;
3. Neutral curing, non-corrosive to metal, coated glass, concrete, marble, granite etc;
4. Excellent weathering and aging performance without unpleasant odor during curing.
5. Excellent resistance to UV, ozone and water;
6. Excellent resistance to low and high temperature. The cured always keeps good elasticity without fragility, rigidification or crack at -30 °C , and no softening, degradation at 90°C.
7. Excellent adhesion to most building materials;
8. Good compatibility with other neutral silicone sealants.

**Applications:**

1. Joint sealing and fire-proofing for all kinds of building structures.
2. The temperature of the surface of the substrate should be within 4 °C-40°C.

**Priming**

Priming is not usually required when using Antas-176. However, sealant adhesion should always be tested to determine the need for a primer.If required, primer should be applied in a thin film to the joint surface using a clean lint-free cloth and allowed to dry before sealant application.

**Technical service**

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



**Limitation:**

antas-176 should not be applied:

1. In structural glazing applications or where the sealant is intended as an adhesive.
2. In areas where abrasion and physical abuse are encountered.
3. In totally confined spaces as the sealant requires.
4. Moisture in the air to cure.
5. On frost-laden or damp surfaces.
6. To building materials that bleed oils, plasticizers or solvents – materials such as impregnated wood, oil-based caulks, green or partially vulcanized rubber gaskets or tapes.
7. To surfaces in contact with food.
8. In continuous contact with water.

**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.

**Curing and maintenance:**

Antas-176 begins curing when it contacts with moisture in the air. The surface dry time is about 40minutes. It generally takes 21 days for fully-cure. In the beginning of using the sealant, please remain fixed and flat in the sealant places. Maintenance, we can repair surface with the solvent to clean, and then marked with the new sealant of the same color and quality.

**Safety:**

It is nontoxic after entirely cured. Avoid contacting 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.

**Joint design:**

The joint design of the structural sealant should be done by professional persons. For structural purpose, the substrate samples with accessory materials and design blueprint should be sent to Jointas for tests before the project starts.



No.	Test item	GB/T 24267-2009 index	Measured value
1	Appearance	Even, exquisite paste, no bubble, no skinning, no gel	Even, exquisite paste, no bubble, no skinning, no gel
2	Density, g/cm <sup>3</sup>	Specified value±0.1	1.50
3	Tack free time, h	≤ 3	1.5
4	Tensile strength(23℃),MPa	>0.4	0.9
5	Extrudability, ml/min	≥ 80	328
6	Sag degree(Horizontal), mm	No deformation	No deformation
	Sag degree(Verticality), mm	≤ 3	0
7	Elongation at constant load	No destruction	No destruction
8	Elastic recovery, %	≥ 70	97
9	Mass loss, %	≤10	1
10	Elongation after hot-press & hard-draw at constant load, %	No destruction	No destruction
11	Elongation after water immersion at constant load, %	No destruction	No destruction
12	flaming time of each tested article (t1+t2) , s	≤ 3	8, 0, 10, 0, 6
13	Total flaming time of 5 tested articles	≤50	24
	Flaming time plus non-flaming time of each article after being fired for the second time	≤30	16, 6, 10, 0, 12
	Spreading time to the tongs	0	0

