

## Antas-DJ-A3-AT178 Fire-Stop Silicone Sealant



### antas-DJ-A3-AT178

**Package:**

300mL cartridge

**Color:**

Black,  
White,  
Grey,  
Customized

**Shelf life:**

12 months from the  
manufacturing date under 27 °C

**Standard:**

- GB/T 24267-2009 SR  
FV-0(3.0mm) 7.5P
- UL 94: 2013

antas-DJ-A3-AT178 is specially designed for flame-resistant, fire-stop 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(3.0mm) of GB/T 24267-2009
2. Certified to CNCA-C18-02:2014 and CCCF-HZFH-01
3. Good extrusion and thixotropy between 4°C~40°C. Easy to use;
4. Neutral curing, non-corrosive to metal, coated glass, concrete, marble, granite etc.
5. Excellent weathering and aging performance without unpleasant odor during curing.
6. Excellent resistance to UV, ozone and water;
7. 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.
8. Excellent adhesion to most building materials;
9. Good compatibility with other neutral silicone sealants.

**Applications:**

Joint sealing and fire-proofing for all kinds of building structures.

**Limitation:**

antas-DJ-A3-AT178 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 moisture in the air to cure.
- 4) On frost-laden or damp surfaces.
- 5) On building materials that bleed oils, plasticizers or solvents – materials such as impregnated wood, oil-based caulks, green or partially vulcanized rubber gaskets or tapes.
- 6) On surfaces in direct contact with food.
- 7) In continuous contact with water.

**Priming:**

Priming is not usually required when using antas-DJ-A3-AT178. 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.

**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-DJ-A3-AT178 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 24267-2009 index	Measured value
1	Appearance		Even, exquisite paste,	Even, exquisite paste,
			no bubble, no skinning, no gel	No bubble, no skinning, no gel
2	Sag degree, mm	Vertical, mm	≤ 3	0
		Horizontal, mm	No deformation	No deformation
3	Tack free time, h		≤ 3	0.7
4	Extrudability, ml/min		≥ 80	247
5	Elastic recovery rate, %		Report	93
6	Tensile adhesion	Elongation at break, %	≥25	62
7	Adhesion after tensile compression cycle at the same temperature		No destruction	No destruction
8	Elongation at break after water immersion, %		≥25	58
9	Mass loss rate, %		≤25	3