

antas-352FR Firestop Modified Silicone Sealant



antas-352FR

Package:

600ml sausage

Color:

Grey,

Shelf life:

12 months from the manufacturing date under 27 °C

Standard:

EN ISO11600:2003

JC/T 881-2017

Australian Standard 1530

antas-352FR is a one-component, low-modulus, neutral curing firestop modified silicone sealant. It has excellent bonding, weatherproof and anti-pollution properties. It's safe and environmental-friendly, the surface can be painted. After burning, antas-352FR will form a dense network structure, which can effectively prevent flame and heat transfer. It can be applied as waterproof sealant for the joints of prefabricated building wallboard, and can also be used for the sealing of other building joints, with a movement capacity of $\pm 25\%$.

Features:

1. Excellent resistance to weather, aging, heat, and humidity.
2. Good elasticity, with the movement capacity of $\pm 25\%$ and resistance to tearing.
3. Good surface painting feasibility, the surface can be painted various coatings.
4. Good resistance to pollution, not easy to sag.
5. Environmental-friendly, with low odor and VOC, no cyanate ester.
6. Withstand temperature range: $-40^{\circ}\text{C} \sim +90^{\circ}\text{C}$.

Applications:

1. Widely used for the joint sealing of prefabricated buildings, concrete, GRC and etc.
2. Used for joint sealing of concrete slab of underground pipe.
3. Used for joint sealing of other building materials.

Limitation:

antas-352FR should not be applied:

1. On building materials that bleed oil, plasticizer, or solvent.
2. Frosted and wet material surfaces.
3. When substrate surface temperature over 45°C or below 5°C .
4. On the surface in direct contact with food.
5. For structural glazing.

Technical service:

Technical details are available in Jointas for customers.

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

Priming:

Priming is usually required when using antas-352FR. 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.

Equipment cleaning:

When not being used it is recommended that the dispensing equipment should be purged either with the uncatalyzed base or flushed with a suitable solvent. If the cured sealant has built up inside the equipment it is recommended to flush the equipment for an appropriate time. The solvent dissolves cured silicone sealant and provides optimum cleaning performance.

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 a cool and dry place.

Curing and maintenance:

antas-352FR begins curing when it contacts with moisture in the air. The tack-free time is about 60minutes. At the beginning of using the sealant, please remain substrates fixed and flat in sealant places.

Maintenance: first, move the destroyed parts away and clean them with the solvent, and then patch those parts with new sealants of the same color and quality.

Safety:

It is nontoxic after entirely cured. Avoid contacting eyes when operating. If this happened, rinse opened eye under running water for several minutes. During the curing process, the 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		JC/T 881-2017 index Stand Ordain	Test result
1	Appearance		Even, exquisite paste, no bubble, no skinning, no gel	Even, exquisite paste, no bubble, no skinning, no gel
2	Sag degree, mm		≤ 3	0
3	Tack free time, h		≤ 24	1
4	Extrudability, ml/min		≥ 150	391
5	Elasticity recovery rate, %		≥ 70	87
6	Tensile Modulus, MPa	23°C	≤ 0.4	0.3
		-20°C	≤ 0.6	0.3
7	Adhesion at constant load		No destruction	No destruction
8	Adhesion at constant load after water immersion		No destruction	No destruction
9	Adhesion at constant load after cold drawn and hot press		No destruction	No destruction
10	Loss of mass, %		≤ 8	1