

Antas-332 Modified silicone sealant



Antas-332

Package:

600ml/cartridge

Color:

Black,
white,
grey,
customized

Shelf life:

12 months from the
manufacturing date under
27°C

Standard:

Q/GZJTHG 12 25LM
JC/T 881 25LM
GB/T 14683-I-F-25LM

Antas-332 is a one-component modified silicone sealant with room temperature curing and low modulus. It exhibits good adhesion and resistance to weather and stain. It can be brushed with paintings on the surface. Also, it's environmental-friendly and has excellent adhesion to concrete, calcium carbonate board, fiber cement board, stone, ceramic and other porous materials. It is mainly used for waterproofing and joint sealing of wall panels on prefabricated buildings, also, could be used for joint sealing on other buildings.

Features:

1. Excellent adhesion to most building materials, especially porous substrates
2. Excellent performance of weather, aging and humidity resistance
3. Excellent elasticity with movement capacity of 25% and tear resistance
4. Good surface painting feasibility
5. Good resistance to pollution and not easy to cause vertical flow pollution
6. Low odor and environmental-friendly with low VOC and no isocyanate
7. With wide range of temperature tolerance: from -40°C to 90°C

Applications:

- Joint sealing of concrete, GRC and other substrates on prefabricated buildings
- Joint sealing of road, bridge and runway
- Joint sealing of stone, ceramic board, etc.
- Joint sealing of other building materials

Limitation:

Antas-332 should not be applied:

1. On building materials that bleed oil, plasticized or solvent, 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 fiber board.
2. In totally confined spaces.
3. When substrate surface temperature over 45°C or below 5°C.
4. On wet surface.
5. On the surface in direct contact with food.
6. For structural glazing.

Priming:

Priming is usually required when using Antas-332. 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.

Curing and maintenance:

Antas-332 begins curing when it contacts with moisture in the air. The tack-free time is about 30 minutes. It generally takes 21 days for fully-cure.

In the beginning of using the sealant, please remain substrates fixed and flat in sealant places.

Maintenance: first, move the destroyed parts away and clean it with the solvent, and then patch those parts with new sealants of 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 number of organic molecules. Construction should ensure good ventilation. If necessary, take protective measures. Please keep children out of reach.

Technical service:

Technical details are available in Jointas for customers. Adhesion test, compatibility test and stain test are available 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 parameters

No.	Test items		Technique index	Test result
1	Fluidity	Sag/mm	≤ 3	0
2	Extrudability, ml/min		≥ 80	≥ 160
3	Elastic recovery, %		≥ 70	≥ 80
4	Tensile modulus, MPa	23°C	≤ 0.4	≤ 0.4
		-20°C	≤ 0.6	≤ 0.6
5	Tensile adhesion	23°C	No destruction	No destruction
		90°C	No destruction	No destruction
		-30°C	No destruction	No destruction
		Water immersion	No destruction	No destruction
		UV-radiation(300h)	No destruction	No destruction
6	Adhesion properties after hot pressing and cold drawing		No destruction	No destruction
7	Heat deterioration	Mass loss, %	≤ 5	≤ 3
		Crack	No	No
		Powder	No	No
8	Anti-mildew level		Level 0 or Level 1	Level 0
9	Pollution properties, mm	Depth of pollution	≤ 2.0	0
		Width of pollution	≤ 2.0	0
10	Shear strength at 23°C, MPa		Report	≥ 0.4